UNITED STATES DISTRICT COURT FOR THE DISTRICT OF MASSACHUSETTS

UNITED STATES OF AMERICA,

Plaintiff,

V.

Criminal Action
No. 13-10200-GAO

DZHOKHAR A. TSARNAEV, also
known as Jahar Tsarni,

Defendant.

BEFORE THE HONORABLE GEORGE A. O'TOOLE, JR. UNITED STATES DISTRICT JUDGE

JURY TRIAL - DAY FORTY-NINE

John J. Moakley United States Courthouse
Courtroom No. 9
One Courthouse Way
Boston, Massachusetts 02210
Thursday, April 23, 2015
9:55 a.m.

Marcia G. Patrisso, RMR, CRR
Official Court Reporter
John J. Moakley U.S. Courthouse
One Courthouse Way, Room 3510
Boston, Massachusetts 02210
(617) 737-8728

Mechanical Steno - Computer-Aided Transcript

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1
                               PROCEEDINGS
                  THE CLERK: All rise for the Court and the jury.
     2
     3
                  (The Court and jury enter the courtroom at 9:55 a.m.)
                  THE CLERK: Be seated.
     4
     5
                  THE COURT: Good morning, jurors.
     6
                  THE JURORS: Good morning, your Honor.
     7
                  THE COURT: We appreciate your patience. The lawyers
     8
         and I had a few things we had to deal with. We're ready to
         proceed now to the next witness.
                  Mr. Weinreb.
00:10 10
    11
                  MR. WEINREB: Good morning, your Honor. The United
         States calls Marc Fucarile.
    12
    13
                            MARC FUCARILE, duly sworn
    14
                  THE CLERK: State your name, spell your last name for
         the record, keep your voice up and speak into the mic so
    15
    16
         everyone can hear you.
    17
                  THE WITNESS: Marc Fucarile. M-A-R-C, last name
    18
         Fucarile, F-U-C-A-R-I-L-E.
    19
                                DIRECT EXAMINATION
         BY MR. WEINREB:
00:10 20
    21
              Good morning, Mr. Fucarile.
         Q.
    22
         Α.
             Good morning.
    23
         Q. How old are you?
    24
         A. Thirty-six.
    25
         Q.
             Are you married?
```

- 1 A. Yes.
- 2 Q. What's your wife's name?
- 3 A. Jennifer.
- 4 Q. Do you have any children?
- 5 A. Yes.
- 6 Q. How many?
- 7 A. One, a seven-year-old boy.
- 8 Q. What's his name?
- 9 A. Gavin.
- 00:11 10 Q. What town do you live in?
 - 11 A. I live in Redding at the moment.
 - 12 Q. How long have you lived there? How long have you lived
 - 13 there?
 - 14 A. Since I got out of the hospital. A year and a half.
 - 15 Q. Where did you grow up?
 - 16 A. I grew up in Stoneham.
 - 17 Q. Where did you go to school?
 - 18 A. I went to Stoneham High School.
 - 19 Q. Were you at the Boston Marathon in 2013?
- 00:11 20 A. Yes.
 - 21 Q. Who did you go there with?
 - 22 A. I went there -- we met people there. I went to the actual
 - 23 marathon with JP Norden; Stevie B., is what they call him, just
 - 24 the second time of hanging out with him; and Jared Crowley and
 - a female friend of Steven's. I forget her name.

Q. Why were you there?

1

- 2 A. I was there to support a friend of ours from high school.
- Q. Who was that? Was it Mike Jefferson?
- 4 A. Mike J. Mike Jefferson. He's a marine. He was running
- 5 for fallen soldiers.
- 6 Q. Do you remember when you arrived at the marathon?
- 7 A. I think we left the house a little after 11:30. I'm not
- 8 exactly 100 percent sure when we parked and made the long trek
- 9 to where we were standing that day.
- 00:12 10 Q. Okay. So what in general, though, did you do after you
 - 11 arrived in Boston? Where did you go, what did you do?
 - 12 A. We parked. We were actually on the opposite side of
 - 13 Boylston Street from the Forum. And we were supposed to be
 - 14 | meeting JP's brother Paul, his girlfriend and -- there was a
 - 15 total of eight of us that day -- on the other side of the
 - 16 street. So we ended up on the wrong side. So we made a long
 - 17 trek up Boylston Street, crossed over at the fire department
 - 18 before Mass. Ave., came back down, down Hereford Street or so,
 - 19 and then walked up I think Newbury or one of those streets to
- 00:13 20 | get back onto Mass. Ave. to come around over Commonwealth Ave.
 - 21 and get on the right side of Boylston Street.
 - 22 Q. So you mentioned JP Norden and Paul Norden?
 - 23 A. Yes.
 - 24 Q. Are they brothers?
 - 25 A. Yes.

- 1 Q. Are they friends of yours?
- 2 A. Yes, grew up with them.
- 3 Q. And you did eventually all meet up together?
- 4 A. Yes, we did. Right in front of the Forum.
- 5 Q. I'm going to show you an exhibit.
- 6 MR. WEINREB: Exhibit 22, please. Let's just not run
- 7 it yet. This is already in evidence.
- 8 Q. So if you look at the screen in front of you, you'll be
- 9 able to see it.
- 00:13 10 Do you recognize that area?
 - 11 A. Oh, yeah.
 - 12 O. What is that?
 - 13 A. That's the Forum restaurant we were standing in front of,
 - 14 | and this is Boylston Street. I see JP with the red mark on his
 - 15 jacket with his black hat, me in my gray jacket. I have a
 - 16 black hat and sunglasses on.
 - 17 Q. So that screen in front of you is actually touch sensitive
 - 18 and if you --
 - 19 A. Oh, it is? I just touched -- yeah --
- 00:14 20 Q. There you go. So that arrow is pointing directly at you,
 - 21 correct?
 - 22 A. Correct.
 - 23 Q. And just to your left, you said there's an individual with
 - 24 the red band on his arm?
 - 25 A. Yeah, that's JP.

```
1 Q. Okay. So we don't see Paul here yet, right?
```

- 2 A. No. That's Steve, who drove us there that day.
- 3 Q. Paul came over a little later?
- 4 A. Yeah. I think -- yeah, if you play the video --
- 5 Q. Okay. So let's do that.
- 6 MR. WEINREB: So if we could just play the first 20
- 7 seconds here.
- 8 (Video recording played.)
- 9 Q. So you see a figure in a white circle walking up towards
- 00:14 10 | the -- where you are.
 - 11 A. Yup.
 - 12 Q. Actually, I think that's Paul right there in the red hat.
 - 13 I think.
 - 14 Q. Okay.
 - 15 (Video recording played.)
 - 16 Q. So I'm going to skip ahead now in the video to about 20
 - 17 seconds.
 - 18 A. Oh, there's Paul in the gray hat.
 - 19 Q. Right. Why don't we play it for the next 25 seconds or
- 00:15 20 so.
 - 21 (Video recording played.)
 - 22 Q. Okay. So now the person you identified as JP, did he just
 - 23 | walk over here --
 - 24 A. JP is right here.
 - 25 Q. Right. And he's tapping somebody?

```
1
             He's hugging, I'm pretty sure that's Mike Jefferson's
     2
         mother.
     3
                  MR. WEINREB: Okay. Can we pause right there for a
     4
         second.
     5
              So now these two people right here who I circled in blue.
              That's Paul and JP. Paul is in the dark hat -- I'm sorry.
     7
         JP is in the dark hat and Paul is in the gray with the white
         shirt.
                  MR. WEINREB: If you would continue, please.
00:16 10
                   (Vide recording played.)
                  MR. WEINREB: And pause right here.
    11
             What are you wearing on your face and your head in that
    12
    13
         photo?
    14
              I have a black hat and sunglasses.
    15
                  MR. WEINREB: Continue, please. Actually, we're done
         there. Let's skip ahead now to a few minutes, three minutes,
    16
         actually, ahead.
    17
    18
                   (Video recording played.)
    19
                  Actually, pause it there for a second, please.
00:16 20
         Q.
              Do you remember bombs going off?
    21
              Yeah, I remember the first -- yeah, I remember the first
    22
         one.
              What happened when the first bomb exploded?
    23
              Like everybody kind of flinched and looked in the
    24
```

direction of the first bomb, which would be to my left down the

25

```
1
         street closer to the finish line.
     2
                  MR. WEINREB: Can you play it, please.
     3
                   (Video recording played.)
              So what happened? What do you remember happening after
     4
     5
         that? You said everybody flinched and looked to the left.
         What did you do?
     7
              We kind of all looked at -- like looked around to see
         where to go, what to do. We all agreed it wasn't good. We
         knew it was something. I'm a person who in my mind I always
00:17 10
         think the worst-case scenario situation, so I knew: Perfect
    11
         place to do something bad, you know? I'm always thinking
    12
         crowds like that, easy targets.
    13
         Q. So what did you do?
    14
              I stepped back, and next thing I remember is looking up at
    15
         the sky.
            What do you remember after that?
    16
              A lot of yelling, a lot of screaming, people calling for
    17
    18
         tourniquets, a tablecloth. I remember a lot of pressure on my
    19
         chest. It felt like someone was sitting on my chest but it was
00:18 20
         the nurse actually holding me down. And I remember her
         screaming, "Oh, shit. He's still on fire," so I -- she said,
    21
    22
         "We need to cut his pants off, I need scissors." And I
         actually said "my pants" in my head, so I helped undo my belt
    23
    24
         buckle, and that's where I got the third degree burn on my
    25
         hand, that skin graft, from the belt buckle being so hot. So I
```

```
helped her get my belt buckle off and what was left of my pants
     1
     2
         at the end, more Daisy Dukes.
     3
                  MR. WEINREB: Can we play Exhibit 23 which is also in
         evidence? Okay.
     4
     5
              So we're going to pick up now where that other video left
         off, and I'd just ask you to direct your attention to where you
         were standing right before the bomb exploded.
     7
     8
                   (Video recording played.)
     9
                  MR. WEINREB: Would you pause it for one second there,
00:19 10
         please.
    11
             Do you see yourself?
         Q.
    12
              Yeah, I'm right here. I was standing here.
    13
         Ο.
              Okay.
    14
                  MR. WEINREB: Continue, please, Mr. Bruemmer.
    15
                   (Video recording played.)
              You can see the fire in my crotch right there. And this
    16
         is before the nurse came over.
    17
    18
              Okay. So what are you doing there?
         Q.
    19
              Trying to get up.
         Α.
00:20 20
         Q.
              Okay. Continue.
    21
              That's when I realized that something bad had happened.
    22
                   (Video recording played.)
    23
                  MR. WEINREB: Okay. Let's pause here for a second.
    24
              Now, directing your attention to your right leg over
    25
         there, what happened to your right leg?
```

- 1 A. Amputated instantly right through the knee.
- 2 Q. Now, you mentioned before that you were on fire?
- 3 A. Yeah, you could see the flames.
- 4 Q. How badly were you burned?
- 5 A. A lot. Probably 90 percent of my lower extremity from my
- 6 waist down.
- 7 Q. How about your face?
- 8 A. Oh, yes. I didn't even -- my face, second degree. I had
- 9 scarring. My lips; my hair was singed, burnt; forearms; my
- 00:21 10 hands; pieces of my chest from -- pieces of my back.
 - 11 Q. Your legs?
 - 12 A. Yeah, my legs: Skin graft.
 - 13 Q. How many skin grafts did you need to prepare the damage?
 - 14 A. A lot. I have -- they took probably 80 percent of my
 - 15 back -- the skin off my back; they took -- they needed more
 - skin so they took off the front of my thigh area where they
 - 17 needed just to try to gain anywhere that wasn't burnt.
 - 18 Q. What does it mean to have a skin graft?
 - 19 A. It's kind of like a cheese grater. They slice your skin
- 00:22 20 off, thin, thin, and then they spread it out using like
 - 21 | a -- almost like a pizza dough roller to make the skin actually
 - 22 larger to cover more of an area so...
 - 23 Q. You said they took it primarily from your back?
 - 24 A. Yeah.
 - 25 Q. When you would sleep at night, were you able to sleep on

- 1 your stomach?
- 2 A. No.
- 3 Q. So you had to sleep on your back?
- $4 \mid A.$ Yes.
- 5 Q. Was your hearing affected?
- 6 A. Yes.
- 7 Q. In what way?
- 8 A. Both my eardrums were perforated, blown apart. I'm pretty
- 9 much permanently deaf in my right ear, and in my left ear I
- 00:22 10 | lost -- some severe inner ear damage, which is my hearing.
 - 11 Q. What exactly happened to your right leg, the one you said
 - 12 was amputated on the scene?
 - 13 A. Went out in the street, I quess. A firefighter told me I
 - 14 handed it to him. I don't recall that. And from what I've
 - 15 seen of the video -- I haven't seen the whole video, so I don't
 - 16 know.
 - 17 Q. But was it amputated above or below the knee?
 - 18 A. It's hard to tell. I don't know if you have the pictures
 - 19 from when I was on the -- but...
- 00:23 20 Q. What about after, when you went to the hospital?
 - 21 A. Oh, yeah. Since surgery I've been an above-the-knee
 - 22 amputee, but I've had two revisions already, so I'm shorter
 - 23 above the knee. And I go for a third revision May 5th now.
 - 24 Q. What's a revision?
 - 25 A. The first two were done primarily because of infections,

```
1
         and HO, when your bone actually grows bone spurs and it
         inflames everything. And so I had two infections -- two bone
     2
         infections -- so they had to cut the bone shorter, re-stitch
     3
         you, and now I have what's called evagination, where it
     5
         actually -- scar pulls in towards the bone, so it creates an
         air pocket in my prosthetic, so that doesn't fit properly. So
     7
         now I'm going down to get a revision. This one's not due to
         infection or bone loss, but they will be cutting off some bone
     8
         to stretch the muscle over the front of it, and then they'll
00:24 10
         layer stitch it to stop the skin from actually being able to
    11
         pull in so I can get a normal fit on a prosthetic without
         having -- what I'm having now is blistering and skin breakdown
    12
    13
         because of that little air pocket, that evagination gives.
    14
         Q.
              What happened to your left leg?
              My left leg was severely burnt, blew off calf muscle,
    15
         major artery loss, giant hole. The back of my heel bone was
    16
         shattered, my joints in my foot were separated. They re-pinned
    17
         all my foot back together, re-pinned the tendons on to the
    18
    19
         joints to keep them in line, filled with debris, shrap metal.
00:25 20
         Q.
              You're speaking in the past. Is that all done? Is it all
    21
         fixed?
    22
             No, no. I just spent yesterday three hours getting probed
         with needles to do nerve testing because they're trying to
    23
    24
         figure out why my left foot is in the pain that it's in. And I
    25
         still need to go in and debride more of my heel bone that was
```

- 1 blasted into my ankle, they haven't taken that out yet, so
- 2 they're going to take that out as well on May 5th when I do my
- 3 revision. And they nerve-blocked one of my nerves yesterday as
- 4 well.
- 5 | Q. Do you know if you're going to be able to keep your left
- 6 leg?
- 7 A. No, nothing. No, not at all. That's what we're trying to
- 8 do still, if we can. I'm in what they call an IDEO brace right
- 9 now. It's a similar -- it's actually the exact same thing Jess
- 00:26 10 | Kensky had. And it keeps your foot pretty much straightened
 - and offloads all of the weightbearing up into my skin grafts
 - 12 under my knee.
 - 13 Q. So the goal here is to save your left leg?
 - 14 A. Yeah, we're going to try. Yup.
 - 15 Q. And if they're not able to save it, have they told you
 - 16 where it will have to be amputated?
 - 17 A. Above the knee more than likely. They said they would
 - 18 attempt to cut me below the knee but it doesn't look promising
 - 19 and eventually it could go up.
- 00:26 20 Q. Are you able to use a prosthetic limb rather than a
 - 21 wheelchair?
 - 22 A. Very occasionally. I got a time when I wear it and use it
 - 23 because of the skin breakdown because I'm burned on the both
 - 24 | right and left -- back of my left and right leg and on my ass,
 - 25 so where the prosthetic attaches up to your butt -- sorry -- a

little swearing -- up, it rubs on the skin graft. And it 1 actually, because it's so thin it breaks down, so it creates 2 open wounds. So you got to take off your leg and let it heal 3 before you could put it back on again usually. 5 Q. How long were you in the hospital after the bombing? I was in Mass. General 45 days, which I was released early 7 to get to Spaulding, so I was in hopes of seeing my kid; like my son being able to stay with me because they told me he would, which it didn't turn out that way. So I was in there 00:27 10 for 45 days. I was promised I wasn't going to leave with any 11 open wounds from Mass. General, but I left with three Wound 12 VACs. 13 What's a Wound VAC? Ο. 14 A Wound VAC is like a sponge-type material that they put over a wide-open wound. And then they tape it, seal it off, 15 they poke a hole and put a little suction cup with a hose that 16 goes through a machine that sucks fluid and -- so it doesn't 17 18 pool and create bacteria. And then they have to change that 19 every couple of days because that actual mesh netting, looks 00:28 20 like a sponge, it adheres to your skin, so you've got to take 21 it off and then put a new one on. 22 And I had three of them. I had one on my right leg, one 23 on my left heel, and one on my left ankle. Because where the 24 tendon died, they couldn't adhere a skin graft to until some

25

other stuff happened.

- 1 Q. Is all of this in an effort to ward off infection?
- 2 A. Yes.
- 3 Q. In order to ward off infection, did you have to take a lot
- 4 of medication?
- 5 A. Yes.
- 6 Q. How much medication?
- 7 A. 24 pills in the morning, 22 pills in the afternoon, and 26
- 8 at night, and that's not counting some other just in-between
- 9 stuff. That was just my main dosage of medication.
- 00:29 10 Q. You mentioned earlier that there was shrapnel in your
 - 11 body?
 - 12 A. Yes.
 - 13 Q. You provided us with some X-ray photos the other day, and
 - 14 those are Exhibit 1608, 1609 and 1610. Are those, to the best
 - of your knowledge, X-rays of your body that were taken during
 - 16 your treatment?
 - 17 A. I don't see them here but I can recall -- I remember
 - 18 sending them to you, yeah.
 - MR. WEINREB: The government offers 1608, 1609 and
- 00:30 20 1610.
 - MS. CONRAD: As previously noted, your Honor.
 - 22 THE COURT: All right. They'll be admitted.
 - 23 (Government Exhibit Nos. 1608, 1609 and 1610 received
 - 24 into evidence.)
 - MR. WEINREB: Can I have 1608, please.

- 1 BY MR. WEINREB:
- 2 Q. If you'd look at your screen, do you see that?
- 3 A. Yeah.
- 4 Q. Do you know what those white circles represent?
- 5 A. Yes. Ball-bearings, BBs.
- 6 Q. And I'm going to circle something right here.
- 7 A. Yup.
- 8 Q. It's straight. What's that?
- 9 A. That's a nail.
- 00:30 10 Q. Were they able to remove all of those from your body?
 - 11 A. No. It's not worth risking. They did remove some of them
 - 12 because they had to because there was a threat of ruining my
 - 13 urinary tract and causing some major problems, infections.
 - 14 | More problems and more infection. They were only able to get
 - 15 two out of the three that they were concerned about.
 - MR. WEINREB: May we have 1610, please.
 - 17 Q. Is that also a picture of you?
 - 18 A. Yes.
 - 19 Q. Are those also BBs?
- 00:31 20 A. Yes.
 - 21 Q. Do you know how many of those they were able to remove?
 - 22 A. Just the ones that forced themselves out. There's also
 - 23 | things you can't see, is the plastic pieces and stuff.
 - 24 Q. They're still in your body?
 - 25 A. Yes.

- MR. WEINREB: 1609, please.
- 2 Q. What's that?
- 3 A. I don't know if that's from -- is that -- those are more
- 4 BBs, but I'm just trying to see.
- 5 Q. If you don't know, that's all right. But let me ask you
- 6 something else. Was there a piece of shrapnel or BB lodged in
- 7 or near your heart?
- 8 A. Yeah, it's in my right atrium.
- 9 Q. What's the right atrium?
- 00:32 10 A. Of your heart. You have a right and your left atrium.
 - 11 That's where your blood returns to your heart. And it --
 - 12 | actually, they couldn't find any direct path, so there was no
 - 13 penetration through my heart, so it came up through my artery.
 - 14 Because the bomb literally went off under me and the blast came
 - 15 up and it actually went through my vein back into my right
 - 16 atrium and it lodged into the right atrium right before the
 - 17 | valve, left valve, which is going to the left atrium, which
 - 18 | should pump to your lungs. And that's where it
 - 19 probably -- they're worried about it puncturing my lungs if it
- 00:32 20 releases.
 - 21 Q. What would happen -- have you been told what would happen
 - 22 if it released and punctured your lungs?
 - 23 A. Yeah, I would have a collapsed lung and I would have to
 - 24 get to the hospital before I didn't breathe anymore.
 - 25 | Q. Do you know what happened to JP Norden?

- 1 A. Yeah, JP Norden is a right leg below. We call it a BK,
- 2 below-the-knee amputee.
- Q. What about his brother Paul Martin?
- 4 A. Yeah, Paul Norden's a right leg AK, above-the-knee
- 5 amputee. And both had other wounds and...
- 6 Q. So how many surgical procedures have you had since the
- 7 bombing?
- 8 A. In the high 60s surgical procedures.
- 9 Q. And, in fact, where were you this morning when you woke
- 00:33 10 up?
 - 11 A. I was actually at Walter Reed Medical Hospital down in
 - 12 D.C.
 - 13 Q. Why are you there?
 - 14 A. I'm there continuing my surgeries. That's what I'm
 - 15 getting ready to do for May 5th.
 - 16 Q. Have the doctors told you that there's any end in sight
 - 17 for the need to keep doing surgeries and...
 - 18 A. No, there isn't right now. They don't know. They're
 - 19 still trying to figure out what they're going to do with my
- 00:33 20 | left leg even on -- they have the surgery date for the 5th.
 - 21 They know what they're doing with my right, but it's still -- I
 - 22 know the debris in the left ankle from the bone fragments, but
 - as far as the nerve and the other pain in my left foot, that's
 - 24 what I still got to go back down on Monday and Tuesday to do
 - 25 more testing.

```
Do you understand what the risks are for you going forward
     1
         given your injuries and all these procedures?
     2
     3
         Α.
              Yes.
              What are they?
         Q.
     5
              I mean, it could be anything from infections to death to
         above-the-knee amputation from everything.
     7
                  MR. WEINREB: No further questions, your Honor.
     8
                  MS. CONRAD: No questions.
                  THE COURT: No questions? All right, sir. Thank you.
     9
00:34 10
                  THE WITNESS: Thank you.
    11
                   (The witness is excused.)
                  MR. MELLIN: The United States calls Heather Abbott.
    12
    13
                            HEATHER ABBOTT, duly sworn
    14
                  THE CLERK: State your name, spell your last name for
         the record, keep your voice up and speak into the mic so
    15
         everyone can hear you.
    16
    17
                  THE WITNESS: Heather Abbott.
                                DIRECT EXAMINATION
    18
    19
         BY MR. MELLIN:
00:36 20
              Ms. Abbott, can you spell your last name for the court
    21
         reporter?
    22
         Α.
             A-B-B-O-T-T.
    23
         Q. Good morning.
    24
         Α.
            Good morning.
    25
         Q.
              Ms. Abbott, where did you grow up?
```

- 1 A. I grew up in Rhode Island. Lincoln, Rhode Island.
- 2 Q. Did you go to school in Rhode Island?
- 3 A. Yes, I did.
- 4 Q. What did you do after high school?
- 5 A. I'm sorry?
- 6 Q. What did you do after high school?
- 7 A. I went to college at Stonehill College about 20 minutes
- 8 south of Boston.
- 9 Q. Did you graduate?
- 00:36 10 A. I did graduate.
 - 11 Q. Okay. And after graduation, what did you do?
 - 12 A. I went to work for a certified public accounting firm as
 - 13 an accountant.
 - 14 Q. Did you stay with that?
 - 15 A. I didn't. Eventually I got my MBA and went into human
 - 16 resources.
 - 17 Q. Accounting was too boring so you moved on?
 - 18 A. It was a little boring.
 - 19 Q. All right.
- 00:37 20 In April of 2013, were you in a job doing human resources?
 - 21 A. Yes, I was.
 - 22 Q. And at that time who were you working for?
 - 23 A. I was working for Raytheon.
 - 24 Q. On April the 15th of 2013, did you go to the area around
 - 25 the Boston Marathon?

- 1 A. Yes, I did.
- 2 Q. And did you attend the Red Sox Patriots' Day game?
- 3 A. Yes.
- 4 Q. Is that something you did typically or often?
- 5 A. Yes. It was sort of a tradition, to go to the Red Sox
- 6 game on Marathon Monday, and then walk over to the finish line
- 7 afterwards.
- 8 Q. So on April 15, 2013, did you stay for the whole Sox game
- 9 or did you leave early?
- 00:37 10 A. We left early.
 - 11 Q. Where did you head after the Red Sox game?
 - 12 A. We headed to the Forum restaurant where we had planned to
 - 13 meet some friends.
 - 14 Q. Had you been to the Forum before?
 - 15 A. Yes, I had.
 - 16 Q. Approximately how many other times had you been at the
 - 17 Forum?
 - 18 A. Probably five or six.
 - 19 Q. So that day as you headed over to the Forum, what
- 00:38 20 | happened?
 - 21 | A. I headed over to the Forum with a group of friends. There
 - 22 were six, seven of us all together. We got split up and four
 - 23 made it inside before the three of us who lagged behind. And
 - 24 | the three of us who were lagging behind knew that -- had gotten
 - 25 texts from them that they were inside and to meet them in

there.

1

- 2 So when we arrived at the Forum, we stood at the door, and
- 3 | the doorman asked for our IDs. And I was taking my wallet
- 4 right out of my purse when I heard the first explosion.
- 5 Q. If I can have you, please, look at Exhibit 2101?
- 6 MR. MELLIN: Which is in evidence, your Honor.
- 7 Q. Ms. Abbott, do you recognize Exhibit 2101?
- 8 A. Yes, I do.
- 9 Q. And do you know that's the area right outside the Forum?
- 00:39 10 A. Yes.
 - 11 Q. Okay. The other times that you've been to the Forum, had
 - 12 you gone to the Forum on Marathon Monday?
 - 13 A. Yes.
 - 14 Q. Did the Forum always have it set up where they kind of had
 - 15 this outdoor seating available?
 - 16 A. They did.
 - 17 Q. How crowded was that area right around the Forum as you
 - 18 came down?
 - 19 A. It was extremely crowded.
- 00:39 20 MR. MELLIN: I'd like to blow up a portion of 2101.
 - 21 Q. And as you look at that, do you see yourself in that
 - 22 photo?
 - 23 A. Yes, I do.
 - 24 Q. That's an interactive screen. Can you do us a favor and
 - 25 circle you in this photo.

- 1 A. (Witness complies.)
- 2 Q. All right. For the record, you circled the woman who has
- 3 on a white scarf and a baseball cap?
- 4 A. Yes.
- 5 Q. Okay. Who else was there with you at that time?
- 6 A. My friend Michelle and my friend Jessica.
- 7 Q. Do you see them in that blowup?
- 8 A. Yes.
- Q. Can you circle them as well?
- 00:39 10 A. (Witness complies.)
 - 11 Q. And for the record, you circled the taller of the blonde
 - women and then also a woman in the middle who's got a white top
 - 13 with dark hair?
 - 14 A. Yes.
 - 15 O. All right. So this was taken about the time of the first
 - 16 explosion. At that point what did you do?
 - 17 A. I looked in the direction of the explosion and I saw smoke
 - and started hearing people scream, and immediately what came to
 - 19 mind was footage I had seen on 9/11 when the buildings
- 00:40 20 collapsed.
 - 21 Q. So what did you do?
 - 22 A. I didn't have a chance to do anything because before I
 - 23 | could really even react, the second explosion occurred.
 - 24 Q. When the second explosion occurred, what did you do?
 - 25 A. I was catapulted through the front doors of the

- 1 | restaurant, which were open, and I landed on the ground in a
- 2 puddle of chaos and glass and blood right inside the front of
- 3 the restaurant.
- 4 Q. So when we looked at that photo, 2101, you're outside the
- 5 Forum; in fact, you're just kind of right at the edge of that
- 6 seating area. Is that right?
- 7 A. Yes.
- 8 Q. When the blast occurs, though, you are forced into the
- 9 inside of the Forum?
- 00:41 10 A. Yes.
 - 11 Q. When you're there, are you standing up or are you on the
 - 12 ground?
 - 13 A. I landed on the ground.
 - 14 Q. You mentioned that you saw chaos. Can you describe what
 - 15 you saw?
 - 16 A. People were running in herds by me through the restaurant
 - 17 to get towards the back exit away from where the bomb was.
 - 18 Q. What did you do?
 - 19 A. I felt as though my foot were on fire. I was in
- 00:41 20 | excruciating pain. And I thought -- I looked at it to see if
 - 21 it actually had flames coming out of it, and when it didn't, I
 - 22 decided I shouldn't look at it again because I was afraid I
 - 23 | would pass out.
 - Q. When you looked at it, what did you see?
 - 25 A. I didn't see anything, but it was extremely painful so I

- 1 knew something was wrong and I knew I couldn't get up and run.
- 2 Q. So what did you do?
- 3 A. I started to crawl towards the back of the building where
- 4 | everybody was running to. And I was trying not to get
- 5 trampled, and I started screaming out for help.
- 6 Q. Did anyone come over to help you?
- 7 A. Yes. Two women came over, and they were trying to help me
- 8 get up. One of them started saying the Hail Mary as she was
- 9 helping me. And she realized that she wasn't going to be able
- 00:42 10 to help me after she looked at my foot and she called her
 - 11 husband over, and he picked me up and started to carry me out.
 - 12 Q. At that time what were you thinking?
 - 13 A. I was thinking that I really wanted to get into an
 - 14 ambulance. I wanted to get away from where the bomb was. I
 - 15 didn't know it was a bomb at the time. And when I looked down
 - 16 at the ground while he was carrying me out, I saw blood pouring
 - 17 out of my foot.
 - 18 Q. What were you feeling at that point?
 - 19 A. I was in tremendous pain.
- 00:43 20 Q. Was there a specific part of your body that you felt pain
 - 21 or was it all over, or how would you describe it?
 - 22 A. It was my left foot.
 - 23 Q. The person that picked you up, what did he do with you?
 - 24 A. He brought me out to the back. As he was carrying me, one
 - 25 of my friends that I had planned to meet came back into the

- 1 restaurant to look for me, and he asked the gentleman that was
- 2 holding me to give him -- to give me to him. And he said,
- 3 "Look at her foot." And when I saw his face, he looked
- 4 horrified. And they brought me back to the back alley and laid
- 5 me down on the ground on the asphalt.
- 6 Q. Approximately how long were you in the back alley?
- 7 A. I'm not sure. It felt like forever. All I wanted was an
- 8 ambulance to come get me, but I think it was just a matter of
- 9 maybe a few minutes.
- 00:44 10 Q. Could you see blood while you were in the back alley, or
 - 11 | did you see blood pooling?
 - 12 A. I saw blood on my friend Jessica's coat who was holding me
 - 13 at the time and hugging me.
 - 14 Q. At some point did someone come with a board to carry you
 - 15 out of there?
 - 16 A. Yeah. While I was lying on the ground, there was a man
 - 17 and a woman who were discussing how to -- how to help me. They
 - 18 instructed one of my friends to give his belt, and they tied a
 - 19 tourniquet around my leg, which was extremely painful. They
- 00:44 20 | looked for a way to get me out of the alley, and they found a
 - 21 door in one of the Dumpsters. And when they were talking about
 - 22 how to get me on it, finally an ambulance arrived. But there
 - 23 was trouble getting back there because everything was
 - 24 barricaded. So the ambulance -- the EMTs came back and had to
 - 25 bring me back through the front of the restaurant onto the

- 1 street to get me in the ambulance.
- 2 Q. You mentioned someone put a tourniquet on you. Where did
- 3 they put the tourniquet on?
- 4 A. On my left leg.
- 5 Q. Above or below your knee?
- 6 A. I don't remember.
- 7 Q. Okay. You ultimately end up in an ambulance, right?
- 8 A. I'm sorry?
- Q. You ended up in the ambulance?
- 00:45 10 A. I ended up in the ambulance. They wouldn't let anyone
 - 11 come with me because the ambulance was so full. And I didn't
 - 12 have my identification or anything. And I was very worried
 - 13 that no one would be able to find me, so I asked one of the
 - 14 EMTs to call my parents.
 - 15 Q. Where were you taken?
 - 16 A. I was taken to Brigham and Women's.
 - 17 Q. What happened when you got to Brigham and Women's?
 - 18 A. When I got to Brigham and Women's, I finally kind of let
 - 19 go. And I don't really remember much of what happened aside
- 00:45 20 | from getting wheeled inside the front doors.
 - 21 Q. When you say you let go, what do you mean by that?
 - 22 A. I was just very worried about what was going to happen to
 - 23 me, about getting into a hospital, getting treated, because I
 - 24 knew that my foot was hurt pretty bad. So I think when I got
 - 25 there, I knew it was okay to just put myself in the hands of

- 1 the doctors there at that point.
- 2 Q. Did you have surgery at that point?
- 3 A. Yes.
- 4 Q. And what was the result of the surgery?
- 5 A. During that surgery they were trying to save my left foot.
- 6 They took a vein out of my right leg and transferred it to my
- 7 | right foot -- my left foot. And they were trying to assess
- 8 whether or not it would be salvageable.
- 9 Q. How many attempts were made to salvage your foot?
- 00:46 10 A. Three.
 - 11 Q. When was the last attempt?
 - 12 A. The last attempt was the Thursday after the bombing.
 - 13 Q. And then at that point what happened?
 - 14 A. The surgeon told me that I had a choice to make. He told
 - 15 me that he recommended having my leg amputated below the knee,
 - 16 which was surprising to me because it was just my foot that was
 - 17 injured. But he said in order to wear prosthetic devices, I'd
 - 18 have to have more of my leg amputated than just the part that
 - 19 was damaged. Or he said I could keep the leg, and he told me
- 00:47 20 that I'd have to have my ankle fused. And because my heel was
 - 21 entirely blown off, I would have to have skin from another part
 - 22 of my body transferred to my heel. And he told me that one of
 - 23 my legs would be shorter than the other, I would never run
 - 24 again. He said maybe I'd be able to walk but I'd be in
 - 25 excruciating pain and I would have to have dozens and dozens of

- 1 surgeries.
- Q. Prior to April the 15th, had you run before?
- 3 A. Yes, I did.
- 4 Q. That weekend had you run in any races?
- 5 A. No, I didn't.
- 6 Q. Okay. How did you make the decision what to do?
- 7 A. The surgeon sent many veterans in to talk with me who had
- 8 similar blast injuries, and they talked to me about limb
- 9 salvage and their experiences. And after a lot of thought and
- 00:48 10 consultation, I decided to go ahead and have my leg amputated.
 - 11 Q. How did that make you feel?
 - 12 A. It was probably the hardest decision I've ever had to
 - make.
 - 14 Q. In total, how many surgeries have you had?
 - 15 A. Four on my leg, and I had an in-office surgery on my
 - 16 ear -- eardrum.
 - 17 Q. What happened to your ears?
 - 18 A. There was a hole in my right eardrum.
 - 19 Q. And as you sit here today, are you wearing a prosthetic
- 00:48 20 leg?
 - 21 A. Yes, I am.
 - 22 Q. I believe it has a high heel. Is that right?
 - 23 A. It does.
 - 24 Q. Okay. In fact, it has your toes, is that right, as well?
 - 25 A. Yes.

```
Since April the 15th of 2013, have you had a chance to
     1
         meet the other amputee survivors?
     2
             Yes, I have.
     3
         Α.
     4
         Q.
            Okay.
     5
                  MR. MELLIN: If we could, I would like to pull up a
     6
         few photos. We could start with -- and just for the witness,
     7
         your Honor -- actually, if there's no objection, I will just
         seek to admit 1653 through 1669 excluding 1658.
                  MS. CLARKE: Subject to the previous --
00:49 10
                  THE COURT: All right. As we previously discussed,
    11
         those may be admitted.
                   (Government Exhibit Nos. 1653 through 1657 and 1659
    12
    13
         through 1669 received into evidence.)
    14
                  MR. MELLIN: Thank you. If we could pull up 1656,
    15
         please.
         BY MR. MELLIN:
    16
              Ms. Abbott, do you recognize who's in photo 1656?
    17
             I do. That's me.
    18
         Α.
    19
         Q.
             All right. Is that the leg you're wearing today or is
         that a different one?
00:49 20
    21
              It's the leg I'm wearing today.
    22
                  MR. MELLIN: If we could pull up 1653, please.
              Do you recognize who's in that photograph?
    23
         0.
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Celeste, Kevin and Sydney Corcoran.

24

25

Α.

Q.

All right.

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1
                   MR. MELLIN: 1654.
     2
               Do you recognize who's in that photograph?
     3
               Adrianna Haslet-Davis.
         Α.
                   MR. MELLIN: 1655.
     4
     5
         Q.
               Do you recognize who's wearing the Ravens T-shirt?
     6
         Α.
              Erica Brannock.
     7
                   MR. MELLIN: 1657.
     8
               Do you recognize who's in that photograph?
         Q.
               Jeff Bauman.
         Α.
                  MR. MELLIN: 1659.
00:50 10
              Do you recognize who's in that photograph?
    11
         Q.
               Jane Richard.
    12
         Α.
                   MR. MELLIN: 1660.
    13
    14
         Q.
               Do you recognize who's in that photograph?
              JP Norden and Paul Norden.
    15
         Α.
              And as you look at the photograph, they're both in -- on
    16
    17
         the left is who?
    18
         Α.
              JP.
    19
         Q.
              Okay.
00:51 20
                   MR. MELLIN: 1661.
    21
               Do you recognize who's in that photograph?
         Q.
               Karen Rand McWatters.
    22
         Α.
    23
                   MR. MELLIN: 1662, please.
              Who's in that photograph?
    24
         Q.
    25
         Α.
              Mary Daniels.
```

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1
                  MR. MELLIN: 1663, please.
     2
             Who's that in that photograph?
     3
             Marc Fucarile.
         Α.
                  MR. MELLIN: 1664.
     4
     5
         Q.
              There are two people in that photograph. Who's in that
         photograph?
     7
              Patrick Downes and Jessica Downes.
         Α.
     8
         Q. Also a dog?
         Α.
             Rescue.
                  MR. MELLIN: 1665, please.
00:51 10
             Do you recognize who that is?
    11
         Q.
    12
             Paul Norden.
         Α.
                  MR. MELLIN: 1666.
    13
    14
         Q.
             Who's in that photograph?
    15
             Rebekah Gregory.
         Α.
    16
                  MR. MELLIN: 1667.
         Q. Who is that?
    17
    18
         A. Roseann Sdoia.
    19
                  MR. MELLIN: 1668, please.
             Who is that?
00:52 20
         Q.
    21
         A. Steve Woolfenden.
             All right. In the picture there's a little boy. Do you
    22
         Q.
    23
         know who the little boy is?
    24
         Α.
              Leo.
    25
                  MR. MELLIN: 1669, please.
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    Q. Do you know who's in that photograph?
    A. That's Mary Jo White, Kevin White and Bill White.
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- Q. Okay. And of the three that are in the photograph, who
- 1 lost a leg?
- 5 A. Bill White.
- 6 Q. And that's the gentleman on the far right in the photo?
- 7 A. Yes.
- 8 Q. Thank you.
- 9 MR. MELLIN: Thank you, your Honor.
- 00:52 10 MS. CLARKE: Thank you very much.
 - 11 THE COURT: All right, Ms. Abbott. Thank you. You
 - 12 are excused.
 - 13 (The witness is excused.)
 - 14 MS. PELLEGRINI: The United States calls Dr. David
 - 15 King.
 - DAVID KING, duly sworn
 - 17 THE CLERK: State your name and spell your last name
 - 18 for the record.
 - 19 THE WITNESS: David King, K-I-N-G.
- 00:53 20 DIRECT EXAMINATION
 - 21 BY MS. PELLEGRINI:
 - 22 Q. Good morning, Dr. King.
 - 23 A. Good morning, ma'am.
 - 24 Q. Will you tell the jury where you are currently employed?
 - 25 A. I'm a trauma and acute care surgeon at the Massachusetts

- 1 General Hospital.
- 2 Q. Can you give us a little bit of your educational
- 3 background, please.
- 4 A. I have a bachelor's degree in biology from the University
- of Tampa, my medical doctorate's from the University of Miami.
- 6 I did my residency and fellowship training in general surgery,
- 7 | trauma surgery and surgical critical care, divided in pieces
- 8 between the Beth Israel Deaconess here in town and University
- 9 of Miami and Jackson Memorial Medical Center and the Ryder
- 00:54 10 Trauma Center.
 - 11 Q. And with respect to your current position, can you tell us
 - 12 exactly what that is?
 - 13 A. So as a -- I'm a member of the division of trauma
 - 14 emergency surgery and surgical critical care. My job is to
 - 15 care for the acutely injured and acutely ill, those with
 - 16 surgical diseases. That includes all aspects of emergency
 - 17 surgery for any of those conditions. And then as an intensive
 - 18 care physician, we take those patients, we operate on and
 - 19 follow them throughout their entire hospital course.
- 00:55 20 Q. In addition to the position that you currently hold, are
 - 21 you also an instructor or an assistant professor?
 - 22 A. I'm an assistant professor of surgery at the Harvard
 - 23 Medical School.
 - 24 Q. And in addition to your background that you've just
 - 25 described to us, do you have training as a combat surgeon?

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I do. I've been in the United States Army for 14 years.
     1
              And what are the duties of a combat surgeon?
     2
              My primary duties in the military are to take care of
     3
         wounded soldiers -- sailors, Marines and airmen -- but also in
     5
         accordance with the Geneva Convention, to take care of anyone
         injured on the battlefield whether they be enemy, host nation,
     7
         national. Anybody who's injured.
     8
              And specifically have you been the chief of surgical
         Q.
         services as part of the Operation Enduring Freedom and
00:55 10
         Operation Iraqi Freedom?
    11
             Yes, ma'am, I have.
    12
              All right. And that would mean that you were deployed
    13
         where?
    14
                  MR. BRUCK: As noted, your Honor.
    15
                  THE COURT: I'm sorry?
                  MR. BRUCK: As noted.
    16
                  THE COURT: Oh, okay.
    17
    18
                  MR. BRUCK: Our objection.
    19
                  THE COURT: I didn't hear you. Yes. It may be given.
00:56 20
         We've dealt with the issue.
    21
                  MS. PELLEGRINI: He may answer, your Honor?
    22
                  THE COURT: Yes, go ahead.
    23
         BY MS. PELLEGRINI:
    24
         Q.
              You may answer, Dr. King.
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I was deployed to Iraq as part of Operation Enduring

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Α.

- 1 | Freedom -- pardon -- Operation Iraqi Freedom and in Afghanistan
- 2 as part of Operation Enduring Freedom. I was also deployed to
- 3 Haiti on a humanitarian mission after the earthquake.
- 4 Q. Dr. King, as a result of your educational and professional
- 5 background, are you familiar with the clinical manifestations
- 6 of improvised explosive devices or IEDs?
- 7 A. Yes, ma'am, I am.
- 8 Q. And just generally speaking, how many cases have you
- 9 treated that involved injuries related to IEDs?
- 00:56 10 A. Over the course of my entire training and military
 - 11 experience and civilian experience as a trauma surgeon in
 - 12 general, hundreds for certain, perhaps even a thousand or more
 - 13 for certain.
 - 14 Q. Dr. King, on April 15th of 2013, did you respond to the
 - 15 | Massachusetts General Hospital after the bombings?
 - 16 A. Yes, ma'am, I did.
 - 17 Q. And as a result of your response there, what did you see?
 - 18 What were your observations?
 - 19 A. Well, on my way to the hospital I really had no idea what
- 00:57 20 | was happening. I just knew that some circumstance, I had no
 - 21 idea, arose that likely would require my expertise and the
 - 22 expertise of our entire team there. No one works in a vacuum
 - 23 at a hospital like that or anywhere in town. And when I
 - 24 arrived in the emergency department, I arrived just as the
 - 25 | first wave of casualties had shown up. And I looked across the

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patients and I knew immediately without anyone really having to tell me exactly what the wounding mechanism was and what had happened. Of course, not the details. But as I looked across the injured patients in a few instants, in just a few moments, the pattern of injuries was fairly predictable and stereotypical for injuries that I'd seen hundreds and thousands of times caused by explosive devices. MR. BRUCK: Your Honor --THE COURT: That may stand. Go ahead. BY MS. PELLEGRINI: And what specifically were those physical -- what were those characteristics that you identified? So the -- sadly, the type of wounds that we see from explosive devices that are placed on the ground is fairly typical. It involves blast and fragmentation injury primarily to both lower extremities, and depending on how big the blast is, that blast and fragmentation injury can extend higher and higher on the torso. This was the pattern that was really fairly obvious from the doorway, meaning without even really laying hands on the patients, any surgeon with similar experience, and even some surgeons without similar experience, quite honestly, who have read peer-reviewed literature would be able to identify this fairly characteristic pattern of injury. Dr. King, you indicated that -- you're talking about the

- 1 lower part of the bodies that you're seeing at that point. Is
- 2 that correct?
- A. That's correct.
- 4 Q. So those are your initial and preliminary observations?
- 5 A. Right.
- 6 Q. Right. Were your subsequent observations and closer
- 7 inspection able to confirm your opinion?
- 8 A. Yes. So as I said, this is a judgment made in an instant
- 9 looking over all the patients within my line of sight when I
- 01:00 10 first arrived.
 - 11 Q. How many were there?
 - 12 A. You know, I don't exactly recall. Certainly that's
 - 13 findable information. I know for certain how many I looked at.
 - 14 I don't know how many were in the ED at that instant, the
 - 15 moment I arrived.
 - 16 Q. I'm sorry. How many did you look at?
 - 17 A. I personally looked over three.
 - MR. BRUCK: Your Honor, please. We would just like
 - 19 there to be less of a narrative and more questions.
- 01:01 20 MS. PELLEGRINI: Well, your Honor, this is an expert
 - 21 witness.
 - 22 THE COURT: Well, I don't think it went too far so
 - 23 far, but be aware of it, please.
 - MR. BRUCK: Thank you.
 - MS. PELLEGRINI: Yes, sir.

BY MS. PELLEGRINI:

1

- 2 Q. How many did you treat yourself, Dr. King?
- 3 A. In that very moment, I personally examined three.
- 4 Q. And did your observations of those three patients confirm
- 5 your initial concern regarding the nature of the injury?
- 6 A. Yes, ma'am. My cursory examination of those three
- 7 patients, and one in particular who I deemed at that very
- 8 moment to be extremely critical, confirmed my initial
- 9 observation that these were injuries and patterns of injuries
- 01:01 10 | consistent with an improvised explosive device.
 - 11 Q. And what exactly were those observations?
 - 12 A. It was traumatic amputations of the lower extremities with
 - burn blast and fragmentation wounding that was worse towards
 - 14 the lower half of the body and improved as it -- as the
 - examination went towards the upper end of the body, which is
 - 16 fairly characteristic.
 - 17 Q. Dr. King, you just used the phrase "traumatic amputation."
 - 18 I take it that differs from surgical amputation?
 - 19 A. Yes, ma'am.
- 01:02 20 Q. In what way?
 - 21 A. So we use the term "traumatic amputation" to -- so the
 - 22 term "amputation," of course, means the loss of part of a
 - 23 distal limb, right? So that can be an arm or leg. It can be
 - 24 any appendage, actually. It can be an ear, nose, whatever.
 - 25 And we characterize a wound as a traumatic amputation even

though -- so some of them are very easy. So if the wounding mechanism has caused the limb to be completely severed, as they say, the medical student can figure that terminology out, but when the injury causes the extremity to become mangled, which is fairly common in this kind of wounding mechanism, it's inherently sometimes obvious that that mangled extremity cannot be salvaged and so we would call that -- we'd use the terminology of "traumatic amputation" or "near traumatic amputation" as an initial diagnosis.

Now, you never know for sure whether an extremity can be salvaged or not until you're in the operating room and you can see the details. But it's not an unreasonable term to describe many of the wounded limbs.

- Q. Dr. King, you also mentioned that of the three people that you saw at that particular time, there was one that drew your attention particularly?
- 17 A. Yes, ma'am.

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01:03 10

- 18 Q. And why is that?
- A. One patient in particular had a fairly horrific limb

 19 injury with significant ongoing blood loss who I thought was

 21 going to die in front of me.
 - 22 Q. Why did you think that?
 - A. You know, it's easy and it's difficult to answer. The difficult part is if you ask me to characterize, for example, a certain blood pressure of, I would say, someone who is about to

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die, or a certain pulse rate or something, although those seem like objective numbers, sometimes they're not very predictable of what a patient's outcome might be. However, more important than a set of absolute numbers is the interpretation of the visualization of injuries from an experienced eye. And for an experienced surgeon, it's very easy to tell who has lost almost all of their blood, not because their blood pressure is low, because everybody's blood pressure was low who was injured, but because they're pale and clammy and losing consciousness and their sensorium is altered, a variety of less quantifiable numbers. And it doesn't honestly even take an experienced physician. Some -- you can -- most people can look at another human being who's hurt and figure out who is dying and who is not dying. Dr. King, you just used the word "sensorium." What do you mean by that, and could you spell that for the record, please? Sure. Sensorium is just a way to describe mental status. So if you're awake and alert and can balance your checkbook and do long division and so on, I would say your sensorium is largely -- largely -- intact, but when you don't know your own name or can't answer simple questions like where are you or what happened, we would consider that an altered sensorium or altered sense of consciousness as tends to happen with ongoing or significant blood loss in this case. Q. Dr. King, you said before -- you started to list the sort

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of observations that you made, and I stopped you sort of at the traumatic amputation. What other observations specifically did you make of the patients who came in that day to MGH? So, again, largely the same set and characteristic pattern of injury. It's -- and it was a recurring theme not just for me but I mean really around town for all the other trauma centers and physicians caring for these patients. predictable, identifiable pattern of lower extremity blast amputation with multiple fragmentation, it was sadly the theme of the day and is entirely characteristic. Dr. King, you just talked to us now about you thought someone was going to die. So with respect to the initial injuries, I know this is kind of obvious, but what are the risks at that particular moment? So for any patient with this characteristic type of injury, the dominant preventible cause of death is exsanguination. Exsanguination is just a term that means rapid blood loss. And you have a -- every human has a finite amount of circulating blood volume in their bodies. And generally you tolerate moderate amounts of blood loss very well, right? You donate a unit of blood at the Red Cross and you go home, have some orange juice, you're okay. And your body has plenty of compensatory mechanisms that make that okay for you. At some point, though, your compensatory mechanism starts to tip. So it may be safe to donate a unit of blood, but what

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about two or three or five, and at some point you have nothing
left to give. Well, the same is true for patients who are
bleeding. You can sustain some injury, any injury, and you can
lose a little bit of blood. And although it may be scary,
perhaps your life is never threatened. But as that blood loss
continues, you lose more and more of the finite amount of
volume, of this blood resource that you have, and at some point
you no longer have enough to sustain your own life and you will
die.
    And is there, generally speaking, a particular volume of
blood in an adult?
     So generically speaking, yes. So the average 70 kilogram
adult has approximately five liters of blood in their body
understanding that there's variability for height and weight
and body mass index and so on. But approximately. The average
adult approximately has five liters of blood.
     Dr. King, would I be correct in saying -- or asking if, in
fact, the biggest problem presented at that particular point in
time at the initial presentation of the patient is to stop the
bleeding?
     Not just yes, but an enthusiastic yes. In fact, on the
military side we've even changed the way we used to -- we
approach injuries like this. Traditionally, people are
taught -- and probably not just physicians. Laypeople are
taught the ABCs of people being injured: airway, breathing and
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circulation. And very early on, on the battlefield, you recognize that something may be more important than A, and that's H, which is hemorrhage control. So for someone who sustains this kind of traumatic injury, the most important maneuver is to stop the blood loss first.

Q. And how's that done?

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A. So it depends on where you're bleeding. So patients who are bleeding from an extremity injury, like these types of lower extremity blast injuries, there's a few ways to intervene. The simplest is the one that's most reflexive. So you cut yourself, you put your hand on it, right? So that's applying direct pressure. That's fairly intuitive for most small wounds and almost everyone knows how to do that.

And, of course, as wounds get bigger and more dramatic with more and more blood loss, you need to escalate the aggressiveness of hemorrhage control, or bleeding control, and that can be really as simple as putting your hand into and on a much bigger wound to compress it or applying a tourniquet around the limb as a very -- more definitive hemorrhage control maneuver if the wound is so devastating that you can't just put your hand on it and apply pressure.

- Q. Is there difficulty when the wound is sort of at a juncture in the body?
- A. So that's a different classification of bleeding that is extremely problematic. So limb bleeding, so that is a wound

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below the shoulder -- or pardon me, below the groin -- are the types of wounds that we characterize as tourniquetable. So wherever the bleeding is, you can apply -- there's enough space to apply the tourniquet above that wound and control the blood loss.

Now, where your limbs meet your torso, so in the groin or in the axilla, in the armpits, bleeding injuries in those sites cause tremendous bleeding and there's no way to wrap a tourniquet around that injury. So it's higher than you could wrap a belt or a tourniquet around your limb. It's truly in the groin. So we call those wounds by definition junctional wounds. They occur at the junction between a limb and your torso.

Junctional wounds are, by definition, non-tourniquetable, so you cannot put a tourniquet on them. It's the biomechanics, it's physically impossible, and they're extremely challenging to control. And usually the way hemorrhage is controlled for those wounds is with direct pressure with your hand or with wound packing. There's a variety of ways, of materials you can pack into the wound to help stop bleeding. And although not entirely popular in the civilian world, in the military side there are some devices that are used to help control junctional bleeding but they haven't quite made their way into the civilian world.

The real solution for junctional hemorrhage is an

1 operation. You need a surgeon for that kind of devastating wound. 2 Dr. King, with respect to the blood loss, is the blood Q. loss when a wound such as we are talking about today occurs, is 5 death instantaneous? So the science on blood loss and death is extraordinarily 7 The research that's been done on hemorrhage and resuscitation, that is, bleeding and control of bleeding, is 8 extensive particularly in the past 14 years of warfare. Dare I 01:14 10 say, it is almost impossible to bleed to death instantaneously. 11 It is a long gray scale, right? Let me give you -- may I give 12 an example? 13 Yes, please. Ο. 14 So if you sustain a very small injury, a very small cut and the blood loss from that cut is what you might consider 15 minor in your own mind. You say, "Gee, that's not bleeding 16 17

and the blood loss from that cut is what you might consider minor in your own mind. You say, "Gee, that's not bleeding that much." But you don't do anything about it. And suppose it's bleeding at a rate of 100 cc's per minute, but you do nothing. You have five liters of blood. So over a period of many minutes or half an hour, 45 minutes, although that bleeding is slow, eventually you will run out of blood and you will die. If you have a more severe injury where you're bleeding at one liter per minute from perhaps a much bigger wound, you only have five liters of blood and so you'll bleed to death in less than five minutes.

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So this is the spectrum that I mean. You can -- patients bleed to death from minor injuries all the time, they just do so over a more extended period. And naturally these are sometimes patients who sustain an injury far away from medical care, nobody knows what to do, or they're alone and can't intervene to help themselves. There are a variety of circumstances you can think of where someone might have a minor injury and bleed to death slowly over a long period of time.

And so that's the long gray scale. Blood loss does not result in instantaneous death with rare, rare exceptions that you could maybe conceive of some bizarre circumstance. But speaking in solid scientific generalities, blood -- death from blood loss does not occur instantaneously.

- Q. And, Dr. King, let's presume that the issue of blood loss has been resolved. Does the issue of the risk of death disappear at that point?
- A. Oh, absolutely not. It's just beginning. So, you know, this -- taking care of trauma patients who are bleeding is not a one-shot deal. Losing all your blood volume and then stopping the blood loss itself is its own set of additional injury, of physiological insult. So your body is not meant to do that.

So we can stop the blood loss and I can even give you blood back, right? I can transfuse you many -- as much as you need or as much as I want. I can give you lots and lots of

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blood back to replace what you lost, but that blood you're getting back is not yours. It's donated blood; it's bank blood. It's not the same thing. It's not half -- or even a quarter as good as your own blood. And doing that -- we do that because there is no other good way right now. I would love to be able to transfuse you your own blood. It's just not possible in 2015.

And so giving you back that blood and subjecting you to the stress of an operation, or in the case of these patients, no one rarely had a single operation, right? We do many operations over the course of an extended period. And that surgical insult on top of surgical insult and physiologic stress and more and more blood transfusions, and every time we do another operation and give you another unit of blood to replace that which you lost, it's more stress to your body. And those insults keep piling up and up and up. And every time you do that, it makes your body more subject to risk of infection, organ failure, kidney failure, heart failure, lung failure, and so on and so on.

- Q. And then with respect to the continued repair, if you will, of the injuries, outside of surgery and the risks attendant with that, are there other risks?
- A. Yes. So nothing is for free here, right? Once upon a time we used to treat -- we used to treat trauma more -- pardon the analogy, more like a marathon. You had an injury, we took

you to the operating room and we just worked on it and fixed everything all at once until every last little bit was squared away. We recognize now that that's generally a poor approach to trauma care.

Instead, what we do is on the first operation, we fix only that which is absolutely essential and lifesaving, and then we bring you to the ICU and let you recover for a period of time. Sometimes that's a few hours, sometimes it's a few days. Then we go back and do a little more surgery and fix a few more things, and then we give you a break and let you recover.

And by doing this, as opposed to one big operation, doing many, many small ones, we spread out the stress of surgery. So instead of putting an elephant on your back all at once, we put smaller things on you. Smaller amounts of stress allow you to recover from that stress, and we go back.

Now, we do that because the science suggests this is the best way to have living patients at the end, right? So there's a survival benefit. It's called staged surgery, to staging surgery like this, abbreviating surgery.

But each of those operations comes with its own set of risks, right? Every time you go to sleep -- I don't want to scare anybody away from surgery. You need surgery. But it's not for free. Every single time you go to sleep, even before the surgeon starts operating, there's a risk you might never wake up. You could have a heart attack or stroke or a giant

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blood clot. And all of this has nothing to do with the operation, per se, it's just the process of going to sleep for whatever operation it is that you're going to have. And having breathing tubes put in and back out and put in and back out for every operation has also its own set of attendant risks. So we do it because we have to but it's not for free, and we know that going in.

Q. How about with respect to the type of injuries that the victims suffered here and that you saw with respect to trying to do limb salvage? You said nothing's for free. Is that free?

A. No, limb salvage is definitely not for free. Limb salvage is a catch-all trauma term for describing the staged approach to trying to avoid an amputation, right? So what I said at the beginning is you can look at some patients who don't have a -- sort of a clean amputation where obviously you know that is not possible to successfully reattach a limb.

Many patients have a mangled extremity. And on a cursory exam, you could think to yourself there's no way to -- there's no way that's going to survive. There's no way I could fix that. But you never know for certain until you get to the operating room. And sometimes when you get to the operating room you occasionally will be surprised and you'll say, "Gee, that looked bad downstairs in the emergency department but now that the patient is asleep and I can dissect and see blood

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vessels and these nerves and these muscles, maybe, you know, if I fix this blood vessel and move this nerve this way and put a muscle in between there, you know, maybe we won't have to amputate this limb." And so largely we take that approach, if you can. We'll go through some extraordinary measures to try to take what is a badly injured limb and make some surgical maneuvers to try to salvage it, to try to bring it back to a usable limb. Sometimes that's successful, often it's not. But just because something's not successful every now and again doesn't mean you shouldn't try every time when you think it's appropriate. But if you have to take, say, a vein from another part of the body, say the other leg, what are the risks attendant with that? So to repeat the theme here, nothing is for free. So if I thought that one limb was potentially salvageable by restoring, say, blood flow to the -- distal to the injured part of the limb -- so if the blood vessel is severed, I need to restore that blood flow, I wouldn't necessarily hesitate to harvest or borrow -- borrow -- steal a vein from your opposite leg to bring it over to the injured leg so I can sew it in to restore blood flow to the injured leg to try to salvage it. Now, your -- the donor limb, right, the leg where you would borrow or take that vein from to use to try to salvage

the other limb, well, that vein is there for a reason, right?

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Your body has evolved in a way that most of your arteries and veins have a purpose. They do something for you. And so we try to take veins that we think will have the least amount of impact on the donor limb, recognizing that they're there for a reason.

So the very simplest example of taking vein from a good leg and bringing it to an injured leg is that removing that vein requires a big incision. That big incision causes pain and suffering and that incision can get infected which causes a chronic wound which needs a skin graft and debridement. That's just a single example of all the things that can go wrong when -- for a procedure that just rolls off your tongue like, "Sure, we just harvested a vein."

Well, yeah, it's easy to say as long as it's not your leg that you're harvesting the vein from. Then it's easy to say.

But when it's your limb, all of a sudden you recognize it's not so easy just saying, "I borrowed the vein." There's a whole litany of complications that can come from that: Like I said, infection and wound breakdown and clots. The list is long.

Importantly, though, for patients with this kind of injury, unfortunately you're often borrowing a vein from the lesser injured limb to bring to the more injured limb, right, to try to salvage it. So it's very different than the -- than a diabetic who needs blood flow restored to their foot because they can't walk and get cramps. Now you're -- and you're

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         talking about one limb that might be normal, so you take a vein
         out of a normal limb. Now you're talking about a threatened
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         limb, one you're trying to salvage, and you're going to take a
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         vein from another limb that also has blast and fragmentation
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         but perhaps isn't as bad as the other. So now you're gambling
         that this vein which, in a healthy person they may tolerate
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         very well not having anymore, that vein that you just removed
         may end up being critical to the lesser injured limb surviving.
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              So all I'm trying to say is it's not for free and it's a
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         little bit of the shell game, moving risk from one side to the
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         other and trying to do the right thing to optimize the best
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         outcome, which is limb salvage.
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                  MS. PELLEGRINI: Your Honor, I have more to do but I
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         think this would be a good time to.
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                  THE COURT: This may be an appropriate time for a
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         morning recess.
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                  MS. PELLEGRINI: Yes, sir.
                  THE CLERK: All rise for the Court and the jury. The
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         Court will take the morning recess.
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                   (The Court and jury exit the courtroom and there is a
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         recess in the proceedings at 11:13 a.m.)
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                  THE CLERK: All rise for the Court and the jury.
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                   (The Court and jury enter the courtroom at 11:45 a.m.)
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                  THE CLERK: Be seated.
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                  THE COURT: Let me see counsel at the side.
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1 (Discussion at sidebar and out of the hearing of the
2 jury:)
3 MR. BRUCK: We move for a mistrial based on the

 $$\operatorname{MR.}$$ BRUCK: We move for a mistrial based on the testimony of this witness so far. We think --

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THE COURT: Just wait a minute for the music to come back on.

MR. BRUCK: We think that every effort to control this extremely prejudicial witness's testimony has effectively failed. He has completely elided the difference between risk of death and grave risk of death, which is the statutory aggravating factor. He has testified -- he has brought in his military background from the use of the term Operation Enduring Freedom to the 1,000 IED wounds to gratuitous unbidden references to his experience treating wounded soldiers in the field.

He has gone on at great length about estimated time of death from hemorrhage in a way that effectively goes beyond the notice that we were provided and the expert witness summary. The witness summary says simply that Martin Richard's death was not instantaneous; however, this very generalized evidence that he's given about all the different gray scale of time to death effectively opines that all of the witnesses -- all of the homicide victims had some prolonged -- more or less prolonged period of suffering without any notice to us, without any opportunity to challenge that under Daubert, to see how that

was going to be specified.

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I sympathize a little bit with Ms. Pellegrini because on top of all these problems, this is a witness who doesn't seem to wait, be guided at all by the question. He wants to give a lecture and then he wants to give another lecture, and he's gone on and on and on. He seems to be uncontrollable. And we think at this point the damage has been done and we ask for a mistrial.

MS. PELLEGRINI: Your Honor, Dr. King is an expert, and as such, his ability to explain the bases and his opinions that follow therefrom are intertwined. I don't believe that any of his references, which were basically two, with respect to where he was deployed and what he has seen, is extremely prejudicial or anything of that nature.

I appreciate Mr. Bruck's sympathy but I don't require it. Dr. King is answering the questions that I'm asking, and he's answering them as fulsomely as he can because that's what we discussed.

We did give appropriate notice that he would opine that Martin Richard's injuries would not have killed him instantly. All of the information that I have elicited thus far is as a prelude to that, to explain why Martin Richard would not have died instantly, but also to explain why he's a more vulnerable victim because while he would not have died instantly, he would have died because of those injuries because

1 of his small stature and his volume of blood more quickly than another, meaning that he's more vulnerable due to his age. 2 THE COURT: Okay. I don't think the military 3 4 references were excessive. I think they fit within what I had 5 indicated on the record earlier where he would be permitted to justify his background and his experience. 7 As to -- his answers have been extended, and I think 8 you should try to keep him on a shorter leash. But I will say The usual evil with narratives by witnesses is that they 02:04 10 go beyond the question and start offering evidence that isn't 11 called for by the question. I think by and large his answers 12 have been responsive to the question, although in an extended 13 way. 14 And I think generally he's within the -- I reviewed the disclosure during one of the recesses, and I think he 15 stayed within it at this point. So the motion is denied. 16 17 (In open court:) 18 MS. PELLEGRINI: May I continue, your Honor? 19 THE COURT: Yes. 02:04 20 BY MS. PELLEGRINI: Dr. King, I just have one further question with respect to 21 22 the nature of injuries, and that is the pain and the efforts 23 and abilities needed to control pain and the risk that that 24 presents. What type of pain are we talking about? 25 So pain is a sensory manifestation, all right? It's

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something that you feel. And there's a variety of ways pain is generated in your body. The one most people are familiar with is what's called somatic pain. So that is, for example, the pain from a paper cut, right? That type of pain is sharp, it's localizable, meaning if you close your eyes and someone cuts your finger, you know that you cut your finger. And that's probably the most familiar type of pain. And patients who experience some type of trauma, particularly to their skin and soft tissues, experience that kind of pain.

There are -- but there are other types of pain receptors in your body that are not what's called somatic pain; it's called visceral pain. And these are entirely different types of pain receptors that are on the inside largely, the inside of your body. And that produces a very different kind of pain that is not well localized and is, in some cases, much more challenging to treat.

The biggest example -- well, the somatic pain is easy.

That's like a cut on your skin. Everyone can wrap their mind about that. Probably the -- a classic example of visceral pain is the pain you get, for example, from a kidney stone or having gallstones, gallbladder disease. So it's an excruciating pain that you can't describe well. People don't know how to put it into words. It's deep. It's not in one spot; it's always in an area and it's evolving.

So those are two very different types of pain and they're,

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in some instances, treated differently. And then, of course, it becomes problematic if you have both types of pain because then you have to treat both of those sometimes the same way but sometimes differently.

- Q. Dr. King, with respect to the visceral pain, then, then how is that treated?
- A. Generally speaking, visceral pain is much more challenging to control. It connects to a part of your brain that's more primal, deeper brain function. And the drugs or medicines, especially in the acute phase -- acute meaning right after injury or at the time of injury -- usually we treat those with a variety of medicines. And, unfortunately, generally speaking, those medicines can control visceral pain fairly well, but like everything else, it's -- there's a risk-benefit profile.

So generally what we say is we try never to take your pain away. We can't -- well, we can't take your pain away because doing so would require giving so much medication that you would be unconscious and, of course, if you take that to its logical end point, you give so much pain medication that you would die, so naturally that's not a desirable outcome.

So what we try to counsel patients who have terrible visceral pain is that we want to make it tolerable or manageable. And the goal should never be to take pain away; it should be to make it tolerable and manageable because the side

- 1 effects of making it go away are wildly unacceptable.
- 2 Q. And, Dr. King, I would like to now leave this area and ask
- 3 you if you have at our request reviewed the autopsy report and
- 4 findings of Dr. Henry Nields with respect to Martin Richard.
- 5 A. Yes, ma'am, I have.
- 6 Q. All right. And after doing so, did you form an opinion
- 7 | with a degree of reasonable medical certainty regarding Martin
- 8 Richard's injuries and whether or not, one, they would have
- 9 killed him instantly?
- 02:09 10 A. So I can -- based on the anatomic injuries, I can say with
 - 11 an extraordinarily high degree of medical certainty that he did
 - 12 | not die instantaneously. As I mentioned earlier, this is a
 - 13 spectrum. Martin died from blood loss, yes, and he died from
 - 14 rapid blood loss, yes, but that is not instantaneous. It is
 - 15 still along the gray scale of blood loss. And whether -- yes.
 - 16 So the answer is yes, with a high degree of certainty I can
 - 17 state his injuries are not consistent with dying
 - 18 instantaneously.
 - 19 Q. And with respect, then, to those injuries, particularly
- 02:10 20 | the evisceration of the abdomen, would that, in fact, based
 - 21 upon your experience, have caused pain?
 - 22 A. Yes, without question. His injury pattern, particularly
 - 23 the abdominal injury, would have engaged both types of pain
 - 24 pathways. So somatic pain from the skin and soft-tissue
 - 25 injuries, so the abdominal wall being disrupted and so on, and

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pain receptors.

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the visceral pain which is, as I said, a much more primal, very disturbing kind of pain from the disruption of the internal organs, which is where those visceral pain receptors lie. With respect to the pain receptors, what is it about the abdominal injury that causes that visceral pain? So the receptors are very different. And the types of receptors that are on the -- they're called visceral because they're on the viscera. "Viscera" is just a catch-all term that means everything that's within your abdomen, your intestines and spleen and liver and so on. Those receptors are generally not responsive to, for example, cutting. So if you cut your skin, you will hurt and flinch. If you happen to be awake and someone cuts your bowel or liver, for example, it actually generally doesn't hurt. What does hurt, though, is stretch and distention and twisting. So this is the reason why kidney stones hurt so much. stone is stuck in the ureter. It causes the ureter to stretch, and those stretch receptors are interpreted by your brain as being incredibly painful. The same is true for a gallbladder or if you have a bowel obstruction and so on. So it's really stretch, twist and distention that activate those visceral type

In Martin's case, there was disruption of his viscera, so of his liver and spleen and intestines, in such a way that the intestines were pulled and twisted, and as we say, on tension,

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         creating stretch that would have, with any degree of certainty,
         caused visceral-type pain.
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              Dr. King, with respect to Martin Richard and your review
         of the autopsy and your -- based upon your training and
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         experience, do you have an opinion to a degree of -- reasonable
         degree of medical certainty as to whether or not he was
         particularly vulnerable to the effects of a bomb?
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              So yes, and here's why: So the way -- one of the primary
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         ways to render yourself safe from an explosion is to create
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         distance from it, right? So naturally, the farther away you
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         are from an explosion, the safer you are. If you're talking
         about a set of circumstances where you cannot create distance,
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         right -- so, for example, the explosion is by surprise -- if
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         you can imagine you're 20 feet tall for a moment -- suppose
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         you're 20 feet tall and an explosion goes off at your feet,
         that explosion would likely injure your legs or your lower
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         legs. It might injure your thighs, for example, but because
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         you're so tall, your torso might be entirely unaffected and you
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         might only have lower leg injuries. On the other hand, imagine
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         for a moment you're only 3-feet tall, exposed to that same
         explosion at your feet.
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              Well, if the blast created from that explosion is 3-feet
         wide, suddenly you're exposed to risk of injury not just to
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         your legs which are right next to it, but because you're
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         shorter, suddenly your torso, abdomen, lungs, trachea, brain
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and so on, are all exposed within that intense confined -- or perhaps not confined, but within that blast radius.

So this gets to the principle of distance away from an explosion. What that means is for someone who is shorter, it puts their vital organs closer to the blast than someone who is taller. So for Martin to be standing very close to that blast puts him at much greater risk of lethal injury than somebody who was taller.

- Q. And does the partial transection of the abdominal aorta confirm your opinion?
- A. Yes, it does. So if the diameter of the aorta is an inch, for example, in an adult, and a fragment flies through it, and that fragment is half an inch -- so it makes a half-inch hole in your 1-inch aorta -- you'll lose blood at a certain rate, right, whatever the rate is, through that hole. On the other hand, if your aorta is only half an inch in diameter and a half-inch fragment flies through it, suddenly the entire thing is disrupted, or more so than it would be if it was an inch in diameter, so the rate of blood loss, or the ratio of blood loss is much higher because the aorta is smaller. So, again, for a smaller person with the same injury pattern, it puts them at particularly higher risk for injury, blood loss and death.

MS. PELLEGRINI: All right. Thank you.

I have no further questions for Dr. King.

MR. BRUCK: No questions.

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                  THE COURT: All right, Doctor. Thank you. You may
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         step down.
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                   (The witness is excused.)
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                  MR. WEINREB: Your Honor, we need to adjust some of
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         the equipment.
                  MS. CONRAD: Your Honor, may we approach?
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                  THE COURT: All right.
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                   (Discussion at sidebar and out of the hearing of the
         jury:)
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                  MS. CONRAD: Your Honor, I want to note that the
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         government is pulling out their screen. As if it weren't bad
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         enough that they're showing the video of Martin Richard
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         writhing in pain, that they're going to show it on an enlarged
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         screen to enhance the impact on the jury. And we object to
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         that both for the same reasons that we objected before, because
         the use of the larger screen further aggravates the
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         inflammatory effect.
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                  MR. WEINREB: Your Honor, the purpose of the large
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         screen is not to inflame the jury but simply to allow them to
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         see what the evidence is back in the jury room. I believe they
    21
         have a screen that size that they view all the evidence on
    22
         through the JERS system. And in any event, the whole point of
         putting something into evidence is so the jury can actually see
    23
         it. This enables them to see it. The little screens in front
    24
    25
         of them really aren't adequate for things that are grainy.
```

```
1
                  MS. CONRAD: The jurors' screen is much smaller than
     2
         that.
     3
                   THE COURT: I don't see any problem with using the
     4
         screen.
                   (In open court:)
     5
     6
                  MR. WEINREB: Your Honor, the government calls
     7
         Michelle Gamble.
     8
                           MICHELLE GAMBLE, duly sworn
     9
                   THE CLERK: State your name, spell your last name for
02:19 10
         the record, keep your voice up and speak into the mic.
    11
                   THE WITNESS: Michelle Gamble, G-A-M-B-L-E.
    12
                                DIRECT EXAMINATION
    13
         BY MR. WEINREB:
    14
         Ο.
             Good afternoon.
             Good afternoon.
    15
         Α.
             Can you remind the jury where you work and what your job
    16
         responsibilities are?
    17
              Sure. I'm a field photographer in the Boston division of
    18
         Α.
    19
         the FBI.
02:19 20
              And what were your responsibilities in connection with the
         Boston Marathon investigation?
    21
    22
         Α.
               I was in charge of the photographic responsibilities for
         Boylston Street while the processing of Boylston Street was
    23
    24
         done, and then back in the office I was in charge of
    25
         coordinating and organizing all of the photos through all of
```

- 1 the scenes, reviewing the videos from the surveillance footage
- 2 that we received, and then other footage that had come in
- 3 through the public.
- 4 Q. And in the course of your work over the past two years,
- 5 have you reviewed essentially every photograph and every video
- 6 that was collected?
- 7 A. Pretty much most of them, yes.
- 8 MR. WEINREB: Can we have Exhibit 1575, please, which
- 9 is already in evidence.
- 02:20 10 Q. Do you see Exhibit 1575?
 - 11 A. I'm sorry?
 - 12 Q. I'm sorry. Do you see the photo in front of you?
 - 13 A. Yes.
 - 14 Q. What is that a photo of?
 - 15 A. That is a photograph in front of the Forum.
 - 16 Q. Let me direct your attention to the -- to where the
 - 17 defendant is. And he's standing -- he's partially obscured by
 - 18 a tree. Is that correct?
 - 19 A. Yes.
- 02:21 20 Q. All right. If you'd look down, you'll see that there's a
 - 21 sidewalk and then there's a darker area that people are
 - 22 standing on.
 - 23 A. Uh-huh.
 - 24 Q. What is that darker area?
 - 25 A. That is the grate that encompasses the tree.

- 1 Q. Is that grate still there today?
- 2 A. No, it is not.
- Q. What happened to it?
- 4 A. ERT collected the two pieces of the grate that are closest
- 5 to the Forum, and I don't know what happened to the other two
- 6 pieces that are closer to the street.
- 7 Q. But they were removed as well?
- 8 A. Yes.
- 9 Q. The two pieces that ERT collected, what happened with
- 02:21 10 them?
 - 11 A. Those were logged into evidence.
 - 12 Q. Did you have access to them?
 - 13 A. Yes.
 - 14 Q. All right. And at my request did you remove them from
 - evidence and reassemble the pieces so that they were in the
 - 16 position they were in when they were actually there out on
 - 17 | Boylston Street?
 - 18 A. Yes. Yes.
 - 19 Q. Okay. Did you photograph them?
- 02:22 20 A. I did.
 - 21 Q. And what did you do with the photographs?
 - 22 A. How did I take them or what --
 - 23 Q. How did you take them and then what did you do with the
 - 24 photographs that you took?
 - 25 A. Okay. I put the pieces back -- the left side of the grate

- 1 was in a few different pieces, so I put that together, measured
- 2 that, photographed that with a scale. I did the same thing
- 3 | with the opposite side of the grate, so it would be on the
- 4 right side, measured it separately and together. I then came
- 5 back to the office and brought the images into Photoshop and
- 6 sized them in there and printed them out to scale.
- 7 Q. What does that mean, "printed them out to scale"?
- 8 A. So they would be pretty much the exact size as they were
- 9 measured to be.
- 02:22 10 Q. So that would be the half of the grate that was closer to
 - 11 the Forum restaurant?
 - 12 A. Exactly.
 - 13 Q. Both sides, right and left?
 - 14 A. Yes.
 - 15 Q. And then what about the two quarters of the grate that
 - 16 | were closer to the sidewalk?
 - 17 A. I duplicated the right side in order to create the back
 - 18 part of it. So it would be the full four pieces of the grate.
 - 19 Q. Did you put those four pieces together?
- 02:23 20 A. Yes. I stitched them all together to make the actual size
 - 21 of the grate.
 - 22 Q. And then when you stitched them together, what did you do
 - 23 with them?
 - 24 A. I measured the full grate together with all four pieces.
 - 25 And when I photographed them, I had rulers within the photo.

```
1
         So I put those as an overlay on the photos -- on the ruler that
         would be in the photo to make sure that that was matching up as
     2
         well.
         Q. Are the photos put on a particular surface that makes it
     5
         easy to carry them around?
         Α.
             Yes.
     7
            What surface?
         Ο.
              It's on like a Tyvek-type material, and then there's a
     8
         Α.
         backing to it. So a thin backing to it.
02:24 10
         Q.
              Is Tyvek like a rubbery kind of material?
    11
              It's kind of a heftier -- it would be better to use that
    12
         than something like paper. It's just a heavier, durable, more
    13
         resilient type of material.
    14
                  MR. WEINREB: Your Honor, Exhibit 1633 is that exhibit
         that the witness just described with the four photos together
    15
         on the Tyvek backing. Based on her testimony, I would offer
    16
         Exhibit 1633.
    17
    18
                  MS. CONRAD: As noted, your Honor.
    19
                  THE COURT: Okay. Admitted over objection.
02:24 20
                   (Government Exhibit No. 1633 received into evidence.)
         BY MR. WEINREB:
    21
    22
             Now, I'm going to ask you --
    23
                  MR. WEINREB: Actually, could we leave that up, your
    24
         Honor, 1575? Okay.
```

With the Court's permission, I'm going to ask the

25

```
witness to step off the witness stand and unfold the exhibit.
     1
     2
                  THE COURT: All right.
         BY MR. WEINREB:
     3
             Now, that photograph that you were just looking at before,
     4
     5
         that's on the big screen behind you. Do you see the railing in
         that photograph?
     7
         Α.
             Yes.
             And where is it in relation to the grate?
         Q.
              It's on the grate, and it appears to be just a little
         bit -- a few inches in.
02:26 10
    11
             Do you see Martin Richard?
         Q.
    12
         Α.
             Yes.
    13
              Can you stand on the exhibit in the spot where he's
         0.
    14
         standing?
    15
         Α.
             Sure.
    16
                  MS. CONRAD: I object, your Honor.
                  THE COURT: Overruled.
    17
    18
                  MS. CONRAD: Your Honor, I think the exhibit speaks
    19
         for itself.
         BY MR. WEINREB:
02:26 20
    21
             And I'll just ask Mr. Mellin to take Ms. Gamble's place
    22
         for a moment.
    23
              And then do you see the part of the grate where the bomb
         actually exploded?
    24
    25
         A. Yes.
```

1 Q. How can you identify it? It's broken in several pieces. 2 Α. And can you stand there, please? Q. Α. Sure. 5 MS. CONRAD: Your Honor, objection. I would like to 6 be heard at sidebar. This is misleading. 7 THE COURT: All right. I'll see you. 8 (Discussion at sidebar and out of the hearing of the jury:) 02:27 10 MS. CONRAD: They're trying to make it look like Mr. Tsarnaev was standing in the spot where the bomb was, and 11 that's not true; he was standing further back, which is clear 12 13 in the photograph. This entire demonstration is highly 14 prejudicial and unnecessary. 15 They've got the grate, which by the way was only made by essentially extrapolating from two pieces, and they've got 16 the photograph. And to have somebody stand there and say this 17 is where Richard was, and then have a human being stand where 18 19 the bomb was, is highly misleading, inflammatory, unnecessary, 02:27 20 and is not probative of any fact that is relevant in these 21 proceedings. 22 MR. WEINREB: Your Honor, far from suggesting that that's where Mr. Tsarnaev was standing, I don't think I even 23

mentioned Mr. Tsarnaev's name during my entire examination.

I'm simply asking the witness to measure the distance between

24

25

02:29 20

02:28 10

where the bomb exploded and where Martin Richard was standing. We just heard expert testimony that his proximity to the bomb was relevant toward a determination of whether he was especially vulnerable to the effects of the blast based on his small stature, and this will be another brick in the wall of establishing that he was a vulnerable victim and what weight to give to that aggravator.

MR. BRUCK: Your Honor, there are other practical things that are relevant factors. First of all, the phone video shows that after the first bomb blast, there was movement. The government is attempting to suggest that this is the placement of Martin Richard four minutes before the bomb went off. That is actually not what -- when the bomb was set down. That is actually not what the photograph shows. Martin Richard is further away.

It's a pointless, needless argument about whether the witnesses are standing in the right place. They have the photographs. The whole thing is a moving sort of kaleidoscope of change. And it is just so prejudicial to create this spectacle.

On top of all of that, to use an adult, which is a human figure that is enormously larger than Martin Richard was, creates again this idea of targeted -- that it's unmistakable, you couldn't possibly miss, and misses the fact there were people in between where the backpack was put down.

1 There is nothing about this scene which resembles what actually happened. It is just sort of like a ballet of 2 prejudice, and that's all it is. MS. CONRAD: And I also would note that if Mr. Weinreb 5 is correct that he's just using a human being to show where the backpack was, then he could use an object to show where the 7 backpack was instead of a human being, which makes it look like that's where Mr. Tsarnaev was. But, you know, this 8 photograph -- I just want to make sure that the record is 02:30 10 clear. This photograph, the testimony is, was taken at 2:48 11 p.m.; not at the time when the bomb went off. 12 MR. BRUCK: And not at the time when the backpack was 13 put down. 14 MR. WEINREB: Your Honor, I'd say all of that goes to the weight of the evidence; not the admissibility. It's the 15 kind of thing cross-examination is for. 16 THE COURT: Yes, I agree it is generally a matter for 17 18 cross-examination. But I do thing the point -- it's a little 19 misleading to have big people like this in the scale of things. 02:30 20 MS. CONRAD: Without the tree. THE COURT: I think it's okay for her to demonstrate 21 22 from her knowledge of the scene having seen it and photographed it where things were, but to have people stand on it like chess 23 pieces in Alice in Wonderland I think is --24 25 MR. WEINREB: The only thing that I intend to ask her

```
1
         to do at this point is simply to take this tape measure and
         measure between one point and another. Mr. Mellin need not be
     2
         standing there. The jury I'm sure will remember.
                  MS. CONRAD: Well, I still object to that, your Honor,
     4
     5
         again, for the reason Mr. Bruck noted, as far as it suggests
         that that's where Martin Richard was standing when the bomb
     7
         went off.
     8
                  THE COURT: No, that can be shown on
         cross-examination.
02:31 10
                   (In open court:)
    11
                  MR. WEINREB: Your Honor, I think from the angle where
    12
         they're seated, some of the jurors can't actually see the
    13
         exhibit. May they stand up to give them a better view?
    14
                  THE COURT: Yes, they may stand. I did.
    15
                   (The jurors rise.)
                  MR. WEINREB: So I'll just ask Ms. Gamble to do it,
    16
    17
         then.
         BY MR. WEINREB:
    18
    19
              Can you stand before where you were, where Martin Richard
02:32 20
         is pictured in that photo, on the grate?
    21
         Α.
              Sure.
    22
                  MS. CONRAD: Your Honor, as previously noted.
    23
                  THE COURT: Yeah. No, I think it's all right.
         BY MR. WEINREB:
    24
    25
         Q.
              Okay. And then can you stand in the spot where the bomb
```

```
1
         exploded?
     2
                  MS. CONRAD: Your Honor, again, particularly as to
     3
         this.
                  THE COURT: No, overruled.
     5
         BY MR. WEINREB:
              Now, can you measure the distance between where the bomb
     7
         exploded and where Martin Richard was standing in that picture?
             I would say about three and a half feet.
     8
         Α.
         Q. Thank you. You can resume your seat.
02:33 10
                  THE COURT: Why don't you leave that in case the
    11
         defense wants to use it on cross.
         BY MR. WEINREB:
    12
    13
         Q. Ms. Gamble, the last time you were here you testified
    14
         about a Forum restaurant surveillance video?
    15
         Α.
             Yes.
         Q. That video has no sound. Is that correct?
    16
    17
         Α.
             Exactly.
             In your review of all the photographs and video in this
    18
         Q.
    19
         case, did you discover a video that does have sound?
02:33 20
              Yes, it's -- it was taken next to the Forum restaurant, at
    21
         the Atlantic Fish Company.
    22
                  MR. WEINREB: May we have Exhibit 774, please.
    23
                  This, your Honor, was not in evidence but it was
    24
         permitted to be used as a chalk, and that's how we'd use it
```

again.

```
1
                  THE COURT: All right.
                  THE WITNESS: Down to the right.
     2
     3
         BY MR. WEINREB:
              All right. Here where we have the Forum and the Atlantic
     5
         Fish Company, can you just -- there you go. Okay.
              Do you see the Forum restaurant?
     7
         Α.
              Yes.
              Can you indicate it by tapping over it?
         Q.
            (Witness complies.)
02:34 10
             How about doing it -- just tap -- here. Is that it right
         Q.
    11
         there?
    12
         Α.
            Yes.
    13
              Okay. And what's the establishment just to the left of
         Ο.
    14
         it?
    15
         Α.
             It's the Atlantic Fish Company.
             How do you know that the video with the audio that you
    16
         discovered was taken in front of Atlantic Fish Company?
    17
    18
              The woman that had taken the video --
         Α.
    19
                  MS. CONRAD: Objection.
02:35 20
                  THE COURT: Overruled.
    21
                  THE WITNESS: The woman that had taken the video
    22
         stated that that's where she was standing. And then when
    23
         you --
    24
                  MS. CONRAD: Objection.
    25
                  THE COURT: No, overruled.
```

```
1
                   THE WITNESS: When you review the video, you can see
         the stores or the restaurants that are directly across from
     2
         Atlantic Fish Company within the video.
     3
         BY MR. WEINREB:
     5
         Q.
              Have you been to the Atlantic Fish Company?
         Α.
              Yes.
     7
              And have you looked across the street?
         Q.
              Yes.
     8
         Α.
              And in your view, did that match up with what's depicted
02:35 10
         in the video?
              Similar, yes.
    11
         Α.
    12
              Did you create a copy -- did you create an exhibit in
    13
         which the sound from that video is synchronized with the events
    14
         that take place in the Forum surveillance video?
    15
         Α.
             Yes.
            How did you synchronize it?
    16
              I stripped the audio out of the Atlantic Fish Company
    17
         video and I brought that into the timeline for the Forum video
    18
    19
         and matched the explosion up right when the bomb goes off.
                  MR. WEINREB: Your Honor, that exhibit is 1634C.
02:36 20
         government offers it into evidence.
    21
    22
                  MS. CONRAD: As noted, your Honor.
    23
                  THE COURT: Okay. It will be admitted.
                   (Government Exhibit No. 1634C received into evidence.)
    24
    25
                  MR. WEINREB: If we could just play that,
```

```
1
         Mr. Bruemmer.
     2
                   (Video and audio recording played.)
         BY MR. WEINREB:
     3
             Ms. Gamble, did the FBI ask the families of the decedents
     4
     5
         who wished to contribute family photos to provide them to the
         FBI?
     7
         Α.
            Yes.
             Did the Richard family provide some family photos?
         Q.
         Α.
            Yes.
02:37 10
         Q.
             And did you get those?
    11
         Α.
             Yes.
    12
                  MR. WEINREB: Your Honor --
    13
              And you reviewed three of them earlier, 1604-05, -06 and
         0.
    14
         -09?
    15
         Α.
             Yes.
         Q. Are those three of the photos you got?
    16
    17
         Α.
             Yes.
                  MR. WEINREB: The government offers those.
    18
    19
                  THE COURT: All right.
02:37 20
                  MS. CONRAD: As noted.
    21
                  THE COURT: Pursuant to our previous discussion,
    22
         they're admitted.
    23
                   (Government Exhibit Nos. 1604-5, 1604-6 and 1604-9
         received into evidence.)
    24
    25
                  MR. WEINREB: May I have 1605, please -- I'm
```

```
1
         sorry -- 1604-5.
     2
         BY MR. WEINREB:
              Do you recognize this photo?
         Q.
         Α.
             Yes.
     5
         Q.
              All right. Is this one of the Richard family photos?
         Α.
              Yes.
     7
                  MR. WEINREB: 1604-06.
     8
              Is this one of the photos?
         Q.
         Α.
              Yes.
02:38 10
         Q.
              Do you know who that is?
    11
             I'm sorry?
         Α.
              Do you know who that is?
    12
         Ο.
              That's Martin Richard.
    13
         Α.
    14
                  MR. WEINREB: And 1604-09, please.
    15
              Again, do you know who that is?
         Q.
    16
             Martin Richard.
         Α.
    17
              And finally, at my request did you prepare a -- did you
         take the Forum video and just draw a yellow circle around the
    18
    19
         figure of Martin Richard so that it's easier to track him?
02:39 20
         Α.
              Yes.
    21
              At one point in that video did you zoom in on a portion of
         Q.
    22
         it?
    23
         Α.
              I did, yes.
            Is that a fair and accurate video?
    24
         Q.
    25
         Α.
              Yes, it is.
```

```
1
                  MR. WEINREB: The government offers 1634D.
                  MS. CONRAD: As noted, your Honor, we object.
     2
     3
                  THE COURT: Okay.
                   (Government Exhibit No. 1634D received into evidence.)
     4
     5
                  MR. WEINREB: If you would just play the beginning of
         that for now, Mr. Bruemmer.
     6
     7
                   (Video recording played.)
     8
                  MR. WEINREB: Would you pause it, please?
         BY MR. WEINREB:
02:39 10
         Ο.
              Now, that yellow circle, what is that?
    11
              That is -- Martin is in the center of that.
    12
                  MR. WEINREB: Continue, please.
    13
                  Okay. Let's pause it right there, please.
    14
              And that yellow circle right there, what's in that yellow
         circle?
    15
             That is Martin.
    16
         Α.
              And this is the part where it's slightly enlarged?
    17
         Q.
    18
         Α.
              Yes.
    19
                  MR. WEINREB: No further questions, your Honor.
02:40 20
                  MS. CONRAD: No questions.
    21
                  THE COURT: No questions?
    22
                  Thank you. You may step down.
    23
                   (The witness is excused.)
    24
                  MR. MELLIN: Your Honor, the United States calls Steve
         Woolfenden.
    25
```

1 STEPHEN WOOLFENDEN, duly sworn

- THE CLERK: State your name, spell your last name for
- 3 | the record, keep your voice up and speak into the mic.
- THE WITNESS: Stephen Woolfenden, W-O-O-L-F-E-N-D-E-N.
- 5 DIRECT EXAMINATION
- 6 BY MR. MELLIN:
- 7 Q. Good morning, sir.
- 8 A. Good morning.
- 9 Q. Where are you employed?
- 02:42 10 A. At Novartis Institute of Biomedical Research.
 - 11 Q. And what is it that you do?
 - 12 A. I'm a cancer biologist. I do translational research for
 - 13 drug discovery.
 - 14 Q. Where did you go to school?
 - 15 A. I went to school at Northern Michigan University.
 - 16 Q. And what degree did you get?
 - 17 A. Bachelor of science in biology.
 - 18 Q. After that, what did you do?
 - 19 A. My wife and I moved from Michigan to Massachusetts, where
- 02:42 20 I was employed at Charles River Laboratories.
 - 21 Q. You mentioned your wife. What is your wife's name?
 - 22 A. Amber Woolfenden.
 - 23 Q. Do you have a family?
 - 24 A. I do.
 - 25 Q. And how many children do you have?

- 1 A. I have my son, Leo.
- 2 Q. How old is Leo?
- 3 A. Leo's five.
- 4 Q. In April of 2013, did you attend the Boston Marathon?
- 5 A. I did.
- 6 Q. Why did you attend?
- 7 A. I attended because -- Leo and I attended because my wife
- 8 Amber was running the race.
- 9 Q. The morning of April 15th, what did you do?
- 02:43 10 A. Leo and I awoke. Obviously, I didn't work that day. Leo
 - 11 | had the day off from daycare. Amber had left previously to go
 - 12 to Boston to be shuttled to Hopkinton. Leo and I awoke, we had
 - 13 breakfast, did normal things, prepared to -- took a shower, got
 - 14 ready to go to the marathon.
 - 15 | Q. In April of 2013, how old was Leo?
 - 16 A. He was three years old.
 - 17 Q. When you say you prepared to go to the marathon, what did
 - 18 you have to do?
 - 19 A. Basic day-to-day routine: dress Leo, brush his teeth,
- 02:44 20 brush my teeth, had lunch, and then we departed.
 - 21 Q. When you headed out, where did you go?
 - 22 A. We drove to Boston Common and parked in the garage
 - 23 underground.
 - 24 Q. Did you have a stroller or anything with you for Leo?
 - 25 A. We did.

- Q. What did you have?
- 2 A. It's a BOB stroller. It was a BOB stroller.
- 3 Q. Can you describe what a BOB stroller is?
- 4 A. It's designed for running. It has three wheels. They're
- 5 similar to the wheels you'd see on a BMX bike, fairly
- 6 heavy-duty.
- 7 | Q. You have one wheel in front and two in the back?
- 8 A. Correct.
- 9 Q. After you parked underground at the Boston Common, what
- 02:45 10 happened?

- 11 A. We went upstairs to the ground level and proceeded across
- 12 the Common and angled towards Boylston Street, towards the
- 13 church. It was extremely crowded so -- our intention was to
- 14 | meet friends at a place called the M Bar on Boylston. I am no
- 15 longer unfamiliar with Boylston, but at the time I was very
- 16 unfamiliar with Boylston.
- It turns out we were on the wrong side of the street, but
- 18 we proceeded anyway. There was -- the crowds were extremely
- 19 heavy, so Leo and I would cut down to Newbury Street, cut back
- 02:46 20 and across. And we eventually made it to a point where I could
 - 21 see the M Bar on the opposite side of the street.
 - 22 Q. Were you able to cross the street at that point?
 - 23 A. No, we were not.
 - 24 Q. So having the chance to see it but not being able to get
 - 25 over to it, what did you do?

- 1 A. I texted our friends that we're on the wrong side of the
- 2 street and I'd have to backtrack and I would see them shortly.
- 3 Q. At that point, who was with you?
- 4 A. My son, Leo.
- 5 Q. Where was your wife at that point?
- 6 A. My wife, she was running the marathon.
- 7 Q. Were you tracking her on the phone or anything?
- 8 A. I was.
- 9 Q. Okay. Was she near Boylston at that point or not?
- 02:47 10 A. I don't believe so, no.
 - 11 Q. Okay. All right. So what did you and Leo do?
 - 12 A. I sent the text, put the phone in my pocket, and proceeded
 - 13 towards the finish line. And then the first bomb detonated.
 - 14 Q. All right. When the first bomb detonated, what did you
 - 15 decide to do?
 - 16 A. I was in shock, in disbelief. And then it registered that
 - 17 we needed to get out of there, and the most logical choice
 - 18 | would be to make -- take a 180 and go back the other way. And
 - 19 we didn't get that opportunity.
- 02:48 20 Q. Why not?
 - 21 A. Because the bomb exploded.
 - 22 Q. And at that point in time where you were, how crowded was
 - 23 it?
 - 24 A. It was extremely crowded.
 - 25 Q. When the bomb exploded, what happened?

- 1 A. It was -- I just remember a sensation of intense heat,
- 2 pressure. It felt like every part of my body was punched
- 3 harder than humanly imaginable. At the time I thought I
- 4 | was -- I stayed standing, but that was because I was still
- 5 holding on to the stroller. I was on the ground. And then my
- 6 first instinct was to check on my son, Leo.
- 7 O. So as a father, what did you do?
- 8 A. The BOB stroller had a cover attached to it. And I had
- 9 put the cover down earlier, so I pulled back the cover. And I
- 02:49 10 discovered Leo was conscious, he was alive. He was bleeding
 - 11 from the left side of his head. And I just became extremely
 - 12 terrified.
 - I started to palpate his body.
 - 14 Q. What do you mean by that?
 - 15 A. Touch his body to see if there were other visible
 - 16 injuries. It didn't appear that there were any. And I gently
 - 17 palpated his scalp where the laceration was, where he was
 - 18 bleeding from his head.
 - 19 Q. Right.
- 02:50 20 A. And then I thought, Well, let's get out of here. And
 - 21 that's when I discovered my leg had been severed off.
 - 22 Q. So when you said "let's get out of here," what did you
 - 23 physically do? Did you try to get up or --
 - 24 A. Yes.
 - 25 Q. And at that point --

- A. That's when I discovered my leg was severed.
- 2 Q. What did you actually see when you looked down?
- 3 A. I was wearing boots at the time. And my left boot was
- 4 | next to my -- my now stump. And protruding from the top of the
- 5 boot was my tibia, and there was a large amount of blood
- 6 present as well. There was also a piece of tissue, roughly 10
- 7 centimeters in length, and it appeared to be -- it looked like
- 8 scotch tape covered with blood, and I now know that was my
- 9 Achilles.

- 02:51 10 So at that moment I took off my belt and I applied it
 - 11 between -- on my thigh as tight as I possibly could. And then
 - 12 proceeded to try to remove Leo from the stroller and comfort
 - 13 | him, and I -- my fingers were so numb I couldn't undo the
 - 14 buckle.
 - 15 O. When you tried to remove him, how were you removing him?
 - 16 | Were you still on the ground or were you trying to stand up or
 - 17 | what were you doing?
 - 18 A. I had pulled the stroller down and I was holding the
 - 19 stroller, trying to manipulate the buckles.
- 02:52 20 Q. What did it smell like?
 - 21 A. It smelled like burning hair, blood, sulphur. It smelled
 - 22 terrible.
 - 23 Q. What was Leo doing?
 - 24 A. Leo was crying and screaming uncontrollably. He was
 - 25 saying "Mommy, daddy, mommy, daddy, mommy, daddy, mommy, daddy,

- 1 mommy, daddy."
- 2 Q. What did you do?
- A . I continued to try to remove him from the stroller. I
- 4 | could not. And that's when a bystander, a good samaritan,
- 5 became a first responder under the circumstances, came over,
- 6 asked me if we needed help. I said, "Yes. My son's bleeding
- 7 | from his head. You need to get him out of here. Please get my
- 8 | son to safety." And he said, "I will do that but first I'm
- 9 going to put another tourniquet on your leg," which he removed
- 02:53 10 his belt and placed it below my knee. And then he proceeded to
 - 11 take Leo, and then they were off.
 - 12 Q. How did you feel at that point?
 - 13 A. I was completely terrified because I didn't know if I was
 - 14 ever going to see my son again.
 - 15 Q. How heavily was your leg bleeding?
 - 16 A. There was blood all over the sidewalk, all around me, so I
 - 17 | didn't -- I just assumed that I was bleeding heavily.
 - 18 Q. When Leo was grabbed by this good samaritan, what was Leo
 - 19 doing?
- 02:54 20 A. He just continued to scream, "Mommy, daddy, mommy, daddy."
 - 21 Q. At some point did you try to get him back?
 - 22 A. There was another good samaritan bystander who came over
 - 23 and was helping me, just talking to me, and I -- all I was
 - 24 saying to him was, "My son, Leo, someone took him." And I
 - 25 | believe he tried to go find him. But he came back to me.

- 1 Q. So the samaritan came back with Leo?
- 2 A. Yes.
- 3 Q. What happened at that point?
- 4 A. I was just lying on the cement terrified. And several
- 5 people came up to me, but I only remember one person's face --
- 6 Q. What did they do?
- 7 A. -- with certainty.
- 8 They just stayed with me and talked to me and comforted
- 9 me. And they said, "You're going to fucking make it. You're
- 02:55 10 going to fucking make it."
 - 11 Q. Did you think that was the case?
 - 12 A. I had no idea. I thought I could very well die.
 - 13 Q. You said before you were terrified. What were you
 - 14 terrified of?
 - 15 A. I was terrified of losing my son, Leo. I was terrified of
 - 16 never seeing my wife again. I had no idea whether this was
 - 17 going on all the way down the race course. I feared for my
 - 18 wife's safety.
 - 19 Q. At some point was Leo handed off to Officer Tommy Barrett?
- 02:56 20 A. Yes, he was.
 - 21 MR. MELLIN: Your Honor, if I could have -- this is in
 - 22 evidence -- Exhibit 30 brought up, please.
 - 23 Q. Mr. Woolfenden, do you see Exhibit 30 in front of you?
 - 24 A. Yes, I do.
 - 25 Q. Who is that in the photo?

- 1 A. That's my son, Leo, being carried by Officer Tom Barrett.
- Q. And is there blood on the side of Leo's head from that cut
- 3 on his head?
- 4 A. Yes, there is.
- 5 Q. Thank you.
- 6 After Leo was handed off to Officer Barrett, you remained
- 7 on the scene. Is that right?
- 8 A. That's correct.
- 9 Q. And while you were on the scene, at some point did you
- 02:57 10 receive attention and were you taken from the scene?
 - 11 A. Yes, I was.
 - 12 Q. Can you describe that for us?
 - 13 A. At some point I could just feel hands on my body transfer
 - 14 me onto a stretcher, being lifted into the air and placed in an
 - 15 ambulance.
 - 16 Q. And at that time were you still conscious?
 - 17 | A. Yes.
 - 18 Q. Did you feel pain at that point?
 - 19 A. I felt a mix of sensations. My body felt numb, but at the
- 02:57 20 | same time I felt pain throughout my entire body. I felt hot,
 - 21 cold. It was a mix of sensations.
 - 22 Q. When you were loaded into the ambulance, was anyone else
 - 23 in there with you?
 - 24 A. Yes, there was.
 - 25 Q. Do you know who that was?

- 1 A. Yes. A woman.
- 2 Q. Do you know her name?
- 3 A. Yes, I do.
- 4 | Q. Who was that?
- 5 A. Gina DiMartino.
- 6 Q. While you were riding in the ambulance, could you see or
- 7 | did you hear Ms. DiMartino say anything?
- 8 A. Yes.
- 9 Q. What was she saying?
- 02:58 10 A. It wasn't what she was saying; it was she was screaming in
 - 11 pain. She was in intense pain.
 - 12 Q. What did you do?
 - 13 A. I turned my head to her and I asked her her name, and I
 - 14 asked her to give me her hand.
 - 15 Q. Why did you do that?
 - 16 A. Because I wanted to hold someone's hand.
 - 17 Q. Where did you go?
 - 18 A. We were taken to Boston Medical Center.
 - 19 Q. And when you got to Boston Medical Center, what happened?
- 02:59 20 A. I recall being transferred into the ICU, and on the way in
 - 21 a nurse came up to me and took my hand, and I immediately
 - 22 grasped and pulled her down to my face and I said, "I was
 - 23 separated from my son, Leo. I have no idea where he is. You
 - 24 have to help me find him." And she said --
 - 25 Q. What did she say?

- 1 A. "Okay. I'll do that."
- 2 Q. What happened after that?
- 3 A. After that I believe I was transferred into the triage
- 4 room. I recall -- I recall screams. Just screams.
- 5 Q. Of people in pain or what?
- 6 A. Of people in pain.
- 7 Q. How were you feeling at that point?
- 8 A. I was screaming as well.
- 9 Q. What pain at that point were you feeling?
- 03:00 10 A. At that point I believe it was similar to what I felt
 - 11 before.
 - 12 Q. Did you go into surgery?
 - 13 A. The last few things I recall in the triage room is someone
 - 14 tugging on my ring finger and I heard, "We can't get the ring
 - 15 off. We're going to have to get the ring cutter." And it
 - occurred to me that maybe they aren't talking about me, maybe
 - 17 | they're talking about somebody else in the room, and then I
 - 18 don't recall anything.
 - 19 | Q. Prior to surgery, did you ever see Leo?
- 03:01 20 A. No, I did not.
 - 21 Q. Did you ever see your wife prior to surgery?
 - 22 A. I did. At some point after that I was being
 - 23 transferred -- I'm assuming it was to surgery. And I heard a
 - 24 voice while I was being transferred. That voice was Amber, my
 - 25 | wife, saying, "I'm looking for my husband Steve. Oh, my God,

- 1 | there he is right there." And Amber came and grabbed my head
- 2 and said, "Leo is at Children's Hospital. He's okay. He's
- 3 alive."
- 4 Q. How did you feel after that?
- 5 A. I felt at a certain peace, as much at peace as you can
- 6 feel under those circumstances.
- 7 Q. Do you remember when you woke up?
- 8 A. I do.
- 9 Q. When was that?
- 03:02 10 A. It was on Wednesday.
 - 11 Q. So you went in for surgery Monday night and you woke up
 - 12 | Wednesday?
 - 13 A. Correct.
 - 14 Q. When you woke up, what did you find out had happened to
 - 15 your body?
 - 16 A. I found out that I had lost my left leg below the knee.
 - 17 | was quite certain that was the case out on Boylston, at the
 - 18 scene, but I didn't know the extent -- the exact extent.
 - 19 Q. When you woke up, who was in your room?
- 03:02 20 A. My wife's former boss and supervisor.
 - 21 Q. All right. Do you know where your wife was at that point?
 - 22 A. My wife's former boss and supervisor let me know that
 - 23 Amber was with Leo at Children's Hospital in Boston.
 - 24 Q. Do you know how long Leo was in the hospital?
 - 25 A. Leo was discharged Thursday evening.

- 1 Q. Do you know the extent of Leo's injuries?
- 2 A. I do.
- 3 Q. What were they?
- 4 A. Leo had a laceration on the left side of his head. It was
- 5 approximately a centimeter in length. He also had a skull
- 6 fracture, approximately a centimeter in length, that required
- 7 four sutures, I believe. His left eardrum was also perforated,
- 8 and he had minor burns.
- 9 Q. When were you reunited with Leo?
- 03:03 10 A. Thursday evening.
 - 11 Q. He came to your hospital room?
 - 12 A. He did.
 - 13 0. Who was there at that time?
 - 14 A. Well, Amber, my wife, brought Leo into the room, and I
 - 15 | believe my mother and father were in the room at the time, but
 - 16 I'm not -- there were several people in the room. I can't
 - 17 recall everyone who was there.
 - 18 Q. How many total surgeries did you have, Mr. Woolfenden?
 - 19 A. I believe I had two -- I had formal amputation the night
- 03:04 20 of Monday and then probably some revisional surgeries on
 - 21 | Tuesday. I also had injuries to my right leg. I had two
 - 22 | lacerations, roughly five to six centimeters in length, one
 - 23 across -- on the anterior portion roughly between my patella
 - 24 and my ankle.
 - 25 | Q. When you say "anterior portion," what do you mean by that?

- 1 A. The front of my leg.
- 2 Q. Okay.
- A . And another laceration that was on the inside of my calf
- 4 | muscle. And that required removal of some tissue to remove
- 5 shrapnel.
- 6 Q. Did you have any injuries to your ears?
- 7 A. Yes, I did.
- 8 Q. What was that?
- 9 A. My right eardrum was perforated.
- 03:05 10 Q. Did you have to have surgery or anything for that or has
 - 11 that healed?
 - 12 A. No, I did not. It resolved on its own.
 - 13 Q. Did you have any burn marks or burning on your body?
 - 14 A. Yes, I did.
 - 15 Q. Where was that located?
 - 16 A. I had random burn marks on my -- you know, on my left leg,
 - above the amputation; some minor burns on my left arm; some on
 - 18 my torso; a burn on my throat near the Adam's apple area. I
 - 19 had a burn to my scrotum area. I had minor burns on my face.
- 03:06 20 Q. How long were you in the hospital?
 - 21 A. I was discharged from Boston Medical -- I believe it was
 - 22 the following Monday or Tuesday, and I was transferred to the
 - 23 Spaulding Rehabilitation facility in Boston.
 - 24 Q. So seven or eight days in the hospital?
 - 25 A. Yes.

- 1 Q. And then you were transferred to Spaulding?
- 2 A. Correct.
- 3 Q. How long were you in Spaulding?
- 4 A. I believe I was at Spaulding for 13 days.
- 5 Q. At some point did you receive a prosthetic leg?
- 6 A. I did.
- 7 Q. When was that?
- 8 A. I believe it was on June 6th, 2013.
- 9 Q. And as you're testifying here in court today, are you
- 03:06 10 | wearing that prosthetic leg?
 - 11 A. Yes, I am.
 - 12 Q. It's under pants. Is that right?
 - 13 A. Correct.
 - 14 Q. Prior to coming here today, did you have a chance to
 - 15 review what has been referred to as the "Forum video"?
 - 16 A. Yes, I have.
 - 17 Q. Did you see yourself and Leo in that video?
 - 18 A. Yes, I did.
 - 19 MR. MELLIN: Your Honor, if I could please have a
- 03:07 20 portion of the Forum video played. It's Exhibit 23. It's in
 - 21 evidence.
 - 22 23I is the clip, Mr. Bruemmer.
 - 23 O. Before we start --
 - MR. MELLIN: If we could pause there for a moment.
 - 25 Q. -- Mr. Woolfenden, as you look at Exhibit 23I, this clip

- 1 of the Forum video, do you see yourself in it?
- 2 A. Yes, I do.
- Q. Where are you?
- $4 \mid A$. Approximately the center -- top center of the frame.
- 5 Q. Okay. That screen is interactive. I think you
- 6 | could -- if you could try to circle yourself on it.
- 7 A. (Witness complies.)
- 8 Q. And for the record, you're the gentleman with the cap on
- 9 wearing a blue jacket essentially in the middle -- top middle
- 03:08 10 of that picture?
 - 11 A. Correct.
 - 12 Q. At that point in time as you look at that photo, where's
 - 13 Leo?
 - 14 A. You can't see Leo in the frame because he's in a stroller
 - 15 directly in front of me.
 - 16 Q. So it's the three-wheel stroller that you're pushing, and
 - 17 you're behind it?
 - 18 A. Correct.
 - 19 Q. And as we look at this, how difficult was it to maneuver
- 03:08 20 with that stroller around this crowd of people?
 - 21 A. It was challenging.
 - 22 MR. MELLIN: And, Mr. Bruemmer, if we could start
 - 23 playing that.
 - 24 (Video recording played.)
 - 25 MR. MELLIN: And if you could pause it for just a

```
1
         moment.
              Mr. Woolfenden, as you look at this now, you're moving
     2
         down towards the left in this video. Is that right?
         Α.
     4
             Yes.
     5
              So you're getting closer and closer to the front of the
         Forum?
     7
         Α.
              Yes.
     8
              Do you see the individual in the white hat that's moving
         Q.
         away from the tree in the opposite direction, or coming towards
03:09 10
         you?
    11
            Yes, I do.
         Α.
              Do you recall seeing that person that day?
    12
    13
             I do not.
         Α.
    14
                  MR. MELLIN: All right, Mr. Bruemmer. If you could
         continue.
    15
                   (Video recording played.)
    16
                  MR. MELLIN: If you could pause it there.
    17
    18
              Do you see yourself now in that portion of this?
    19
         Α.
             Yes, I do.
03:09 20
              And again, you're right in the middle of the frame wearing
         Q.
         the blue jacket?
    21
    22
         Α.
              Correct.
    23
                  MR. MELLIN: All right. Continue, please.
    24
                   (Video recording played.)
```

MR. MELLIN: You can pause it right there, please.

25

- 1 Q. Now, sir, what just happened in the video?
- 2 A. The first explosion occurred.
- 3 Q. And at this point do you see yourself in this?
- 4 A. Yes, I do.
- 5 Q. Can you circle yourself, please?
- 6 A. (Witness complies.)
- 7 O. Thank you. Where's the man in the white hat?
- 8 A. Directly to my right.
- 9 Q. And at that time where's Leo?
- 03:10 10 A. Still directly in front of me in the stroller.
 - 11 Q. Thank you.
 - MR. MELLIN: Mr. Bruemmer, if you can continue.
 - 13 (Video recording played.)
 - 14 MR. MELLIN: Okay. If we could move on to 23J.
 - 15 Q. Picking up right where we left off, the man in the white
 - 16 hat is still right next to you. Is that right?
 - 17 A. Correct.
 - 18 MR. MELLIN: If you could hit "play," please.
 - (Video recording played.)
- 03:10 20 | Q. Do you see him go past you right there?
 - 21 A. Yes.
 - 22 MR. MELLIN: And if you could stop it for a second.
 - 23 Q. There was a moment there where you backed up a little bit.
 - 24 Is that right?
 - 25 A. Yes.

```
And at that moment what were you trying to do?
     1
              I wanted to go in the opposite direction.
     2
         Α.
              Were you able to spin around the stroller fast enough?
     3
         Q.
              No, I was not.
         Α.
     5
                   MR. MELLIN: Play, please.
     6
                   (Video recording played.)
     7
                   MR. MELLIN: If you could pause that, please.
     8
              We just saw the second explosion. Is that right?
         Q.
         Α.
              Correct.
03:11 10
         Q.
              Okay.
    11
                   MR. MELLIN: If you could start that.
    12
                   (Video recording played.)
    13
                   MR. MELLIN: And pause that, please.
    14
              As we look at 23J now, do you see there's a cloud of smoke
         in the middle?
    15
             Yes, I do.
    16
         Α.
    17
              Now, are you able to make out in that cloud of smoke the
         front wheel of the stroller?
    18
    19
         Α.
               I can.
03:11 20
         Q.
              Can you just circle that for me?
    21
             (Witness complies.)
         Α.
    22
         Q.
              Thank you.
    23
              At this point in time, where are you?
             (Witness indicates.)
    24
         Α.
    25
         Q.
              And you just circled on the ground behind the stroller?
```

```
1
         Α.
              Yes.
     2
                   MR. MELLIN: All right. If we could play.
     3
                   (Video recording played.)
                   MR. MELLIN: If you could pause it, please.
     4
     5
         Q.
              Right now what are you trying to do?
     6
         Α.
              I'm trying to check on my son, Leo.
              And Leo at this point is still in the stroller?
     7
         Q.
     8
         Α.
              Yes.
                   MR. MELLIN: All right. Play, please.
03:12 10
                   (Video recording played.)
    11
                   MR. MELLIN: If we could stop it right there.
    12
              You are still behind the stroller. What are you doing
    13
         right now?
    14
               I'm pulling out Leo's blanket that was in the bottom
         storage compartment of the stroller.
    15
              And what are you going to do with that?
    16
         Q.
              I believe I was going to put it over my left leg.
    17
         Α.
    18
              So by this time now you know you're injured?
         Q.
    19
         Α.
              Correct.
03:13 20
                   MR. MELLIN: Hit "play," please.
                   (Video recording played.)
    21
    22
         Q.
              Leo's still in the stroller at this point?
    23
         Α.
              Yes.
    24
                   MR. MELLIN: And again, if you could pause it right
    25
         there.
```

- 1 Q. There appears to be an opening now in the back of the
- 2 stroller. Why is that?
- 3 A. The way the stroller's designed, there's a flap in the
- 4 back that you can kind of cut through and reach your child.
- 5 Q. And that's where you're trying to reach in and grab him?
- 6 A. Yes.
- 7 MR. MELLIN: Okay. Hit "play," please.
- 8 (Video recording played.)
- 9 MR. MELLIN: And if you could hit "pause," please.
- 03:14 10 Q. And now finally does someone come up to help you?
 - 11 A. Correct.
 - 12 Q. Is that the individual that you handed Leo off to?
 - 13 A. Yes, it is.
 - 14 Q. Ultimately he comes back with Leo, and then is Leo handed
 - 15 off to Officer Barrett?
 - 16 A. Correct.
 - 17 Q. The man in the white hat, when he walked by you, did he
 - 18 bump you?
 - 19 A. I don't recall if he did.
- 03:14 20 Q. After Leo is taken out of the stroller, do you know what
 - 21 | happens to the stroller?
 - 22 A. What happened to the stroller?
 - 23 O. Yes.
 - 24 A. No, I don't recall.
 - 25 Q. If I could have you look at Exhibit 1597.

```
1
                  MR. MELLIN: Just the witness for right now.
     2
                  For the record, your Honor, this is one of the
     3
         photographs out of the 2D that was already admitted, but now
         it's been separated out as just a photograph.
     4
     5
                  THE COURT: It was part of the video?
     6
                  MR. MELLIN: The 2D.
     7
                  MR. BRUCK: As previously noted.
     8
                  THE COURT: I'm sorry?
     9
                  MR. BRUCK: As previously noted.
03:15 10
                  THE COURT: Yes.
    11
             And, Mr. Woolfenden, would you look at this photograph?
    12
         Do you recognize the location that's depicted in the
    13
         photograph?
    14
         Α.
              Yes, I do.
    15
             And where is that?
         Q.
            That's across the street from the Forum restaurant.
    16
             And looking towards the Forum?
    17
         Q.
    18
         Α.
             Correct.
    19
         Q.
             Do you see your stroller in that photo?
03:15 20
                  MR. BRUCK: Objection.
                  THE COURT: I'm not clear whether you offered this yet
    21
    22
         or not.
    23
                  MR. MELLIN: I haven't, your Honor. I'm just about
    24
         to.
    25
                  THE COURT: All right. Okay.
```

```
1
         BY MR. MELLIN:
              And do you see your stroller in that photo?
     2
              I do.
         Α.
                  MR. MELLIN: Okay. Your Honor, I would move into
     4
     5
         evidence Exhibit 1597, which is essentially already in
         evidence.
     7
                  THE COURT: Over objection, it's admitted.
                   (Government Exhibit No. 1597 received into evidence.)
     8
     9
                  MR. MELLIN: If I may publish it.
03:16 10
         BY MR. MELLIN:
    11
         Q. And as you look at this, Mr. Woolfenden, could you please
    12
         circle where your stroller is now the next morning on the
    13
         scene?
    14
            (Witness complies.)
              And just so we're all clear, that is the stroller that you
    15
         were pushing Leo in the day before?
    16
    17
              Yes, it is.
         Α.
              And that's the same stroller that the man in the white hat
    18
         Ο.
    19
         walked by as he walked by you pushing it?
03:16 20
         Α.
              Correct.
    21
                  MR. MELLIN: If we could take that down, please.
    22
         Thanks.
    23
         Q. Mr. Woolfenden, I'd like to go back to when you were on
    24
         the ground. At some point when you were on the ground, did you
    25
         look around and see who was around you?
```

- 1 A. Yes, I did.
- 2 Q. And when you looked around and saw who was around you,
- 3 what did you see?
- 4 A. At some point after Leo was taken away, I noticed I
- 5 | was -- I noticed there was some -- there was a presence on my
- 6 arm. And I turned to my right and I saw a little boy and his
- 7 | mother, Martin Richard and Denise Richard.
- 8 Q. And when you saw them, what did you see?
- 9 A. I saw Martin's face, and I could see that -- I could see a
- 03:18 10 boy that was -- looked like he was fatally injured.
 - 11 Q. When you say you could see his face, what could you see of
 - 12 his face?
 - 13 A. I saw his hair had been singed, I saw that his eyes were
 - 14 rolled in the back of his head and his mouth was agape.
 - 15 Q. Could you see his body?
 - 16 A. Yes, I could. I could see the top part of his torso.
 - 17 Q. What did you see?
 - 18 A. I saw an immense amount of blood.
 - 19 Q. What did you think at that point?
- 03:18 20 A. I was really, really terrified.
 - 21 Q. Having just turned over Leo to Officer Barrett, how did
 - 22 you feel?
 - 23 A. Terrified.
 - 24 Q. Could you hear anything being said between Denise Richard
 - 25 and Martin Richard?

- 1 A. I could hear -- I heard "please" and "Martin."
- 2 Q. "Please" and "Martin"?
- 3 A. "Please" and "Martin" being uttered by Denise Richard.
- 4 Q. Was it said once or more than once?
- 5 A. Many times.
- 6 Q. Could you see what, if anything, Martin was doing in
- 7 response to that?
- 8 A. I didn't see any response to it.
- 9 Q. And what was Denise Richard doing?
- 03:19 10 A. Just pleading with her son.
 - 11 Q. At some point did you lock eyes with Denise Richard?
 - 12 A. I placed my hand on her back, and Denise turned to me for
 - 13 a moment and asked me if I was okay.
 - 14 Q. What did you say?
 - 15 A. I said, "Yes, I'm fine."
 - 16 Q. At that point what did she do?
 - 17 A. Her attention was back to Martin.
 - 18 Q. Finally, if I could have you take a look at two very short
 - 19 clips of the video that is zoomed in on Martin. And in
- 03:20 20 particular, there's a yellow circle, and if you could focus on
 - 21 Martin and his arms in that video.
 - MR. MELLIN: 1634A, please?
 - 23 THE COURT: These are the ones we've discussed, right?
 - 24 MR. MELLIN: That's correct. Yes, your Honor.
 - 25 (Video recording played.)

```
1
                  MR. MELLIN: If you could pause it for one second.
         BY MR. MELLIN:
     2
              Now, at this particular time, do you see your stroller?
         Q.
             Yes, I do.
     4
         Α.
     5
              And do you know where Martin is behind that stroller?
         Q.
         Α.
             He would be on the opposite side of the stroller.
     7
                  MR. MELLIN: Thank you. Thanks.
     8
                   (Video recording played.)
              Mr. Woolfenden, did you see the arms that went up and then
         went down?
03:21 10
    11
                  MR. BRUCK: (Nonverbal gesture.)
                  THE COURT: Sustained. The objection is sustained.
    12
    13
             Did you see some movement in that?
         Ο.
    14
                  THE COURT: No.
    15
         Q.
              Did you see --
                  THE COURT: No, again, this -- I think our discussion
    16
         was the video speaks for itself.
    17
              I'm just trying to draw -- do you know -- where was Martin
    18
         Q.
    19
         Richard at this point in time?
03:22 20
         Α.
              In the yellow circle. Within the yellow circle.
    21
              Fine. And there's someone over the top of Martin at this
    22
         point in time?
    23
         Α.
             Yes.
    24
         Q. Who is that?
    25
         Α.
             Denise Richard.
```

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1
         Q.
              Okay.
     2
                   MR. MELLIN: And if we could then move on to 1634B.
     3
                   (Video recording played.)
                   MR. MELLIN: If you could pause it for one moment.
     4
     5
         Q.
              Again, as you look at this, where is Martin?
         Α.
              Right in the center of the yellow circle.
     7
              And again, who is over the top of him?
         Q.
              Denise Richard.
     8
         Α.
         Q.
              Thank you.
03:22 10
                   MR. MELLIN: If you could play that, please.
    11
                   (Video recording played.)
              Mr. Woolfenden, there's a period in that video where
    12
    13
         Denise Richard is over the top of Martin. Do you see that?
    14
         Α.
              Yes.
              And is that the time when you were next to her?
    15
         Q.
              Well, yes, I'm next to her in the photograph. Yes.
    16
         Α.
    17
              While you were on the scene, was Martin Richard ever
    18
         moved?
    19
         Α.
              Was he moved?
03:23 20
         Q.
              Yes, from that area.
    21
             I don't recall.
         Α.
    22
         Q.
              Thank you.
    23
                   MR. MELLIN: Thank you, your Honor.
    24
                   THE COURT: Any examination?
    25
                   MR. BRUCK: Mr. Woolfenden, I have no questions for
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1
         you. Thank you.
     2
                  THE COURT: All right, Mr. Woolfenden. Thank you.
     3
         You may step down.
                   (The witness is excused.)
     4
                  MR. WEINREB: Your Honor, the government rests.
     5
     6
                  THE COURT: All right. Jurors, we've gone a little
     7
         past the one o'clock hour just to finish with the witness,
         obviously, and you've now heard from the government that that's
     8
         its evidence for this penalty phase. We're going to
03:24 10
         proceed -- it will now be the defendant's turn to present
    11
         evidence in this phase.
    12
                  As I think I've told you previously, we've told them
    13
         that they can expect to begin on Monday. So we will not, as I
    14
         predicted yesterday, be here tomorrow. So we're done for today
    15
         and tomorrow and we'll resume on Monday.
                  So once again, you'll have some time off, and there
    16
         will be the temptations that we've talked about, have possible
    17
    18
         exposure to things, possible investigation. Please, you
    19
         understand the instructions, that's not to be done at all. You
03:24 20
         have to politely push people away if they're going to try to
    21
         contact you about this. Keep it entirely out of your minds.
    22
         Think of other things for the weekend. We'll see you on Monday
         and we'll continue with the evidence in the case, all right?
    23
    24
                  THE CLERK: All rise for the Court and the jury.
    25
         Court will be in recess.
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(The Court and jury exit the courtroom and the
 1
 2
     proceedings adjourned at 1:10 p.m.)
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CERTIFICATE I, Marcia G. Patrisso, RMR, CRR, Official Reporter of the United States District Court, do hereby certify that the foregoing transcript constitutes, to the best of my skill and ability, a true and accurate transcription of my stenotype notes taken in the matter of Criminal Action No. 13-10200-GAO, United States of America v. Dzhokhar A. Tsarnaev. /s/ Marcia G. Patrisso MARCIA G. PATRISSO, RMR, CRR Official Court Reporter Date: 1/4/16